

NC DIVISION OF MARINE FISHERIES
COMPUTERIZED BIOLOGICAL MONITORING
DATABASE: SYSTEM DESCRIPTION
AND USER'S MANUAL

CEIP REPORT NO. 22

1984

SH
222
.N8
E6
1984

THE NORTH CAROLINA DIVISION OF MARINE FISHERIES
COMPUTERIZED BIOLOGICAL MONITORING DATABASE:
SYSTEM DESCRIPTION AND USER'S MANUAL

BY

Sheryan P. Epperly

North Carolina Department of Natural Resources

and Community Development

Division of Marine Fisheries

Morehead City, N.C. 28557

SH 222. N8 E6 1984

The preparation of this report was financed through a Coastal Energy Impact Program grant provided by the North Carolina Coastal Management Program, through funds provided by the Coastal Zone Management Act of 1972, as amended, which is administered by the Office of Coastal Zone Management, National Oceanic and Atmospheric Administration. This CEIP grant was part of NOAA grant NA-79-AA-D-CZ097.

This manual is printed in loose-leaf format to accommodate updates. If you wish to receive these updates please complete the form below and mail to:

NC Division of Marine Fisheries
License and Data Management Section
P. O. Box 769
Morehead City, NC 28557

I would like to receive updates to the System Description and User's Manual of The North Carolina Division of Marine Fisheries Computerized Biological Monitoring Database.

NAME _____

ADDRESS _____

CITY _____

STATE _____ ZIP CODE _____

PHONE _____

ACKNOWLEDGEMENTS

I would like to acknowledge the following people for their roles in creating a computerized Marine Fisheries database: Elaine Barber, Lisa Boddie, Nancy Brown, Dan Clark, Louise Davis, Bruce Garner, Larry Leis, Diane Nichols, Jim Smith, Michael Street and Katy West. Fisheries Management Section personnel were responsible for the collection of the data. Margaret Stafford and Sharon Sanchez typed the manuscript.

Trade names cited herein do not imply endorsement by the North Carolina Department of Natural Resources and Community Development, Division of Marine Fisheries.

TABLE OF CONTENTS

	<u>Page</u>
ACKNOWLEDGEMENTS.	i
INTRODUCTION.	1
FILE STRUCTURE.	1
DATA ENTRY.	3
UPDATING THE MASTER FILE.	4
Transaction Pre-edits.	5
Transaction Edits.	6
File Structure Edits	7
AUDIT TRAILS.	9
DISASTER RECOVERY	9
REFERENCES.	10
APPENDICES	
Appendix A "A Description of Instructions and Procedures for the Preparation of Forms for the Division of Marine Fisheries Data System"	
Appendix B-1 COMM-STOR III configuration parameters used for data entry	
B-2 Layout files and attribute information for BIOFORM 00-08	
B-3 Directory for data entry diskette	
B-4 Allowable entry and substitution files	
Appendix C-1 Outputs from the update program	
C-2 a. Layout of environmental pre-load table b. JCL to compile a revised environmental pre-load	
C-3 Allowable entries for gear in each program	
C-4 COBOL update program and JCL to execute it	

THE DIVISION OF MARINE FISHERIES
COMPUTERIZED BIOLOGICAL MONITORING
DATABASE

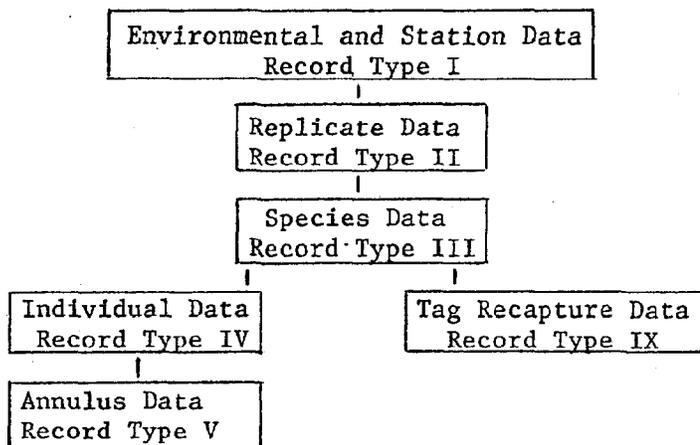
INTRODUCTION

The North Carolina Division of Marine Fisheries (DMF) began computerizing its biological monitoring data in spring 1981. Through the Management Information Services Division (MISD) of the North Carolina Department of Administration, file structure and edit/update procedures were developed. Forms were created on which all DMF data could be coded/transcribed, and a manual was written to describe the proper procedures in coding these forms. The manual, entitled "A Description of Instructions and Procedures for the Preparation of Forms for the Division of Marine Fisheries Data System", should be used as a reference when reading this report; it is included as Appendix A. Revisions will be made as they are needed at all stages of the computerization process, from coding to updating and editing. This report details the biological monitoring computerized database for the DMF.

Prior to the initiation of the computerized fisheries database in 1981, isolated DMF data had been digitized. Data from the station logs of the vessel R/V DAN MOORE and biological samples taken from the commercial anadromous fisheries prior to 1979 had been computerized. In 1982 these files were duplicated and the tapes archived. Neither database is being maintained, but both databases will be reentered into the Division's overall biological monitoring database. Statistical data on the landings of North Carolina's commercial fisheries are being digitized through a cooperative state and federal agreement. These data constitute a separate database which is not addressed in this report.

FILE STRUCTURE

The basic file structure is hierarchial and composed of six record types:



Control information is the combination of fields that is unique to a collection and the records contained in that collection. It is these fields that enables several records from a collection to be linked. Information contained on a given record type applies to all following records in the hierarchy (if the records have the same control information). Control fields for the database record take the form shown below. Data always begin in position 25.

Format and Position of Control Information Fields in the Database		
Control information field	Number of bytes	Position relative to the first
RECORD TYPE	1	1
SEQUENCE NUMBER	7	2-8
REPLICATE NUMBER	2	9-10
SPECIES CODE	10	11-12
SPECIES STATUS	1	21
LINE NUMBER	21	22-24

The first record type, The Environmental and Station Record, contains the overall collection data such as location, environmental parameters and collection effort information. Each record type I is given a SEQUENCE NUMBER which is prefixed by the last two digits of the collection year (e.g. 8200001). This constitutes the second field of the control information and appears in the same position on each record type associated with that collection. The first field of the control information identifies the RECORD TYPE.

The second record type contains replicate information. This record identifies the size of the collection and sample. More than one replicate (record type II) may be associated with an Environmental and Station Record. Within a collection, Replicate Records are numbered from 01 and increased sequentially by one. Replicate 00 is reserved for special uses, such as observed occurrences of species not indicated in the sample. These REPLICATE NUMBERS are the third field of the control information. All record types II-V, and IX have a replicate identification.

Species Records, record type IIIs, contain information on a given species, or size class of a species collected in a replicate sample. The total number and weight collected, sampled and subsampled are indicated. A phylogenetic ten digit SPECIES code developed by the National Oceanographic Data Center (1981) and a one digit code indicating the SPECIES STATUS (size class) constitute the fourth and

fifth fields of the control information. All record types III-V, and IX give a SPECIES and SPECIES STATUS identification.

Individual and Annulus Records, record types IV and V, give information on an individual(s) of a species. Individual Records give information on size, age, reproductive stage, etc. of an individual member of a species. Each record type IV is given a number; these LINE NUMBERS are the last field of the control information. If an individual is aged and distance to annulus measurements are taken, Annulus Records, record type Vs, contain these measurements. The control field LINE NUMBER, which also appears on the record type V, is used to link the two records for the same individual, i.e. they have the same LINE NUMBER.

Tag Recapture Records, record type IXs, contain data for every tagged individual that has been recaptured. Such data are RECAPTURE DATE, LOCATION, GEAR, etc. Each Tag Recapture Record is stored with the collection in which the tagged individual was released. Each record type IX of a collection is numbered sequentially. Where applicable, the Tag Recapture Record can be merged programatically with a record type IV or V using TAG NUMBER which is a key field stored on both records.

Using the control information, all records for a collection can be linked from the hierarchical file. Flat records (a single record that contains data from various levels of the hierarchy) can be created easily with EASYTRIEVE (1980) or SAS (1982).¹ The control information forms the basic structural key for the entire master file. Actions on that master file use the control information for the identification of a record. The first field of each keyentered record, a transaction, is the ACTION FIELD. By inserting the proper code (A-add, C-change, D-delete), the master file can be manipulated. ACTION FIELD is not retained in the record once it is stored on the master file.

DATA ENTRY

Keyentry of the Division of Marine Fisheries biological monitoring data utilizes a dual-drive Sykes Datatronics Comm-Stor III flexible diskette unit and an OMRON 8025A cathode ray tube (CRT). The diskette unit uses an eight inch single side, single density, soft sector diskette. Parameters within the Comm-Stor must be set to ensure compatibility of the two units and to define data entry specifications. These parameters are listed in Appendix B-1.

Form pages are created through the Comm-Stor's forms generation process. The layout file, a "picture" of the page as it is to appear on the CRT during data entry, is created and later incorporated into the form during the generation process; editing attributes are assigned to each field on a page during the generation process. The form created for entry of the biological monitoring data (BIOFORM) consists of eight pages. The variable fields on BIOFORM pages 01-05 and 08 correspond to

¹EASYTRIEVE and SAS are user oriented computer software systems frequently used for data summary and analysis.

the fields on record types I-V and IX as described in the DMF forms preparation manual (Appendix A). BIOFORM pages 06 and 07 are abbreviated versions of record type IVs; these pages enable entry of multiple record type IVx on one form page.

Menus appear at the bottom of each page allowing the operator to select the next page. Linkage and dynamic storage information for the form pages are contained in the non-viewable page BIOFORM 00 which is created automatically in the form generation process. Layouts and attribute information for BIOFORM pages 00-08, the directory for the data entry diskette, and the allowable entry and substitution files are contained in Appendices B-2 through B-4.

Each biological collection is stored as a unique file on the diskette. Each record or transaction in this file is 128 characters in length. On each diskette the files are numbered from zero to eighteen and prefixed by the file name "NER.NM.NM100-". Every collection entered is logged into a data entry ledger. The file name, diskette number and comments are also recorded. The Sykes IBM 3740 Format Program is used to read the ASCII characters stored on the data entry diskette, translate them to EBCDIC characters and store the EBCDIC data on a second diskette.² The EBCDIC diskettes are sent to the State Computer Center in Raleigh to update the master file.

UPDATING THE MASTER FILE

Five generations of the master file are stored in the tape library at the State Computer Center (SCC) in Raleigh. The most recent generation is catalogued under the name "NER.NM.NM100-1".

Transaction diskettes are submitted weekly to the SCC where they are read on an IBM 3740; the data are stored on a temporary tape.⁴ The job control language (JCL)³ stored under the Time Sharing (TSO)⁴ member "NM100UPD" accesses the most recent master file generation and the temporary transaction data tape and then executes the COBOL⁵ update program.

² ASCII and EBCDIC are standardized binary codes for representing upper and lower case letters, numbers, symbols, punctuation marks, etc. Standardized by the industry, ASCII is the code used by many computers and terminals, including Comm-Stor III. The State Computer Center, however, has a mainframe IBM computer which uses the EBCDIC code.

³ Job control language (JCL) is used by the computer controller to interpret instructions and generate commands to other parts of the computer.

⁴ TSO is a time sharing system that lets you use the facilities of a computer at a terminal. In the context of this report a TSO member is a data file in a partitioned data set that is accessed through TSO.

⁵ COBOL is a programming language designed specifically for business and data processing applications.

The COBOL update program reads each transaction, pre-edits the transaction file and then sorts it. The program performs the appropriate action (add, change or delete) on the master file and reformats the record to a length of 150 characters. The date of processing is added to each record and stored in position 143-150. It has the format of YY/MM/DD. Validity and structural checks are then made. The master file is sorted according to the control information. After the update program is executed the previous master file is uncatalogued and the recently created file is then catalogued.

Output from the update process has the following four parts (illustrated in Appendix C-1):

1. A list of the action taken on each transaction record read in the update process, giving the control information and the first 45 characters of the data.
2. A list of all edit error warnings.
3. A list of all structural errors in the master file.
4. A printout of every transaction record submitted.

Several edits occur during the update process. Following is a description of the edits.

Transaction Pre-edits

1. Record types VI and VII (entered on BIOFORM-06 and BIOFORM-07 data entry screens) allow for multiple entries of record type IVs on one data entry screen. A pre-edit routine creates separate record type IVs for each entry made on BIOFORM 06 and 07 screens.
2. Leading spaces in the following fields are zero filled: NUMBER OF RECORD TYPE III'S, COLLECTION NO., COLLECTION WT., SAMPLE NO., SAMPLE WT., SUBSAMPLE NO., SUBSAMPLE WT., FREQUENCY, LENGTH, AGE, NO. OF SPAWNING MARKS, DISTANCE TO EDGE, and DISTANCE TO ANNULUS MEASUREMENTS. If GEAR does not have an exact length of three digits, the field is replaced with three zeros.
3. A transaction record key consisting of PROGRAM TYPE, STARTING LOCATION and STATION NUMBER is checked against a pre-edit table. The table stored in a TSO member "NMENVTAB" is maintained in key sequence order and contains substitution information for DURATION OR AREA, GEAR, GEAR PARM #1, GEAR PARM #2, GEAR PARM #3, RIG, TYPE OF TOW, SEDIMENT SIZE, BOTTOM COMPOSITION, BOTTOM PROFILE, DEPTH, and ALTERATION STATE. During the pre-edit process, table values are inserted into blank fields of record type I. If a value exists in the field on the transaction record, that value takes precedence. Only data from collections made since 1982 are processed against this table. As the table is revised, the update program is compiled to incorporate the revised table. The layout of the table is given in Appendix B-2.

Transaction Edits (Validity Checks)

1. The first two digits of SEQUENCE NUMBER must be the same as YEAR.
2. The MONTH and DAY subfields of DATE are edited:
 01<MONTH<12 and 01<DAY<31
3. For programs 700-799, GRID subfields should be digit-digit-alpha-alpha.
4. a) For Programs 700-799
 2500000000<STARTING LOCATION<4000000000
 b) For Programs 000-699 and Programs 800-999
 0000000000<STARTING LOCATION<2300000000
 or 5000000000<STARTING LOCATION<7500000000
5. STATION is checked to determine if it is an allowable entry for the value of STARTING LOCATION if PROGRAM is not 400-499, 700-799, 920 or 930. Appendix B of the DMF forms preparation manual and TSO member "MFSITES" contain allowable entries.
6. GEAR is checked to determine if it is an allowable entry for the value of PROGRAM. These allowable entries are given in Appendix C-3. GEAR is zero filled if it is blank or not numeric on the transaction record.
7. If GEAR = 000 then DURATION OR AREA must be blank.
8. If NUMBER OF REPLICATES = 00 then GEAR must = 000.
9. SAMPLE SIZE must not exceed COLLECTION SIZE. (999999 indicates a missing value).
10. SPECIES is checked to determine if it is an allowable entry. The abridged Appendix G of the DMF forms preparation manual and TSO member "MFSPP" contain allowable entries.
11. a) COLLECTION NO.>SAMPLE NO.>SUBSAMPLE NO. (99999 indicates a missing value.)
 b) COLLECTION WT.>SAMPLE WT.>SUBSAMPLE WT. (999999 indicates a missing value.)
12. If FORM OF RECORD TYPE IV equals:
 - 0 or 5 There should be no corresponding record type IVs.
 - 1 or 2 The only data fields completed on the corresponding record type IVs should be FREQUENCY and LENGTH.
 - 3 The value of LENGTH on the record type IV with LINE NUMBER = 001 should be less than the value of LENGTH on the record Type IV with LINE NUMBER = 002. The FREQUENCY of each LENGTH should equal one.

4 or 7 Data besides FREQUENCY and LENGTH should be recorded on at least one corresponding record type IV.

5 Replicate must be 00.

13. LENGTH will be checked against a table containing a range of allowable lengths for each SPECIES. This table will be given in Appendix C-5.
14. TAG TYPE (X) and TAG NUMBER (X) must either both be blank or both be coded. When both are coded TAG TYPE must be an alpha character and NUMBER TAGGED must be digits.
15. The sum of NUMBER TAGGED (1) and NUMBER TAGGED (2) should be less than or equal to SAMPLE NUMBER.
16. The combination of the first two positions of TAG NUMBER must be nonnumeric. The remaining four bytes must be digits. The field must have an exact length of 6 bytes if coded.
17. If TAG NUMBER is coded on a record type IV, $1 \leq \text{STATUS} \leq 3$.
18. If AGE STATUS equals zero or is blank, then AGED STRUCTURE, AGE and NUMBER OF SPAWNING MARKS must be blank.
19. If AGED STRUCTURE is blank, then AGE STATUS must equal zero or be blank and AGE and NUMBER OF SPAWNING MARKS must be blank.
20. If AGE or NUMBER OF SPAWNING MARKS is not blank, then AGE STATUS and AGED STRUCTURE must be greater than zero.
21. If AGE STATUS EQUALS:
 - 1 Age must be recorded.
 - 2 AGE must be recorded and a record type V must exist for that control datum.
 - 3 AGE and NUMBER OF SPAWNING MARKS must be blank and AGED STRUCTURE must be coded.
22. AGE stored on record type V for an individual must be the same value as stored in AGE on the corresponding record type IV.
23. SPAWNING MARKS stored on record type V for an individual must be the same value as stored in SPAWNING MARKS on the corresponding record type IV.
24. If a record type V is present, AGE STATUS must equal two on the corresponding record type IV.
25. The number of DISTANCE TO ANNULUS measurements should not exceed the value of AGE.

26. If *i* is the number of distance to annulus measurements given, then
- DISTANCE TO EDGE should equal MARGINAL INCREMENT plus DISTANCE TO *i*th ANNULUS. If not coded, MARGINAL INCREMENT is calculated and written to the file.
 - DISTANCE TO EDGE > DISTANCE TO *i*th ANNULUS > DISTANCE TO *i*-1 ANNULUS > DISTANCE TO *i*-2 ANNULUS. . . > DISTANCE TO FIRST ANNULUS.
27. RECAPTURE DATE if coded, must be later than DATE, have an exact length of 6 digits and be in the format of YYMMDD. The YEAR, MONTH and DAY subfields of RECAPTURE DATE, are edited:

70 < YEAR < 85, 01 < MONTH < 12 and 01 < DAY < 31.

28. If coded, DAYS OUT must be the number of days elapsed between DATE and RECAPTURE DATE. DAYS OUT must be blank if RECAPTURE DATE is not a valid entry in the format of YYMMDD.
29. Within a collection, TAG NUMBER may not be repeated across LINE NUMBERS.

File Structure Edits

- The control information of a transaction record is checked against those records on the master file. If a record exists on the master file with the same control information and ACTION FIELD of the transaction is 'change', then the transaction record is substituted for the master file record. A transaction record is added to the master file only if another record with the same unique control information is not already stored. Similarly, a record is deleted from the master file only if the control information of an appropriately coded transaction record matches exactly the control information of a record on the master file.
- The actual number of record type IIs for unique control information should be the same as the value for NO. OF REPLICATES.
- The actual number of record type IIIs for unique control information should be the same as the value for NO. OF RECORD TYPE IIIs.
- The actual number of record type IVs for unique control information is determined on the basis of FORM OF RECORD TYPE IV. If FORM OF RECORD TYPE IV equals:
 - 0 or 5 There should be no corresponding record type IV or V.
 - 1,2,3,4 or 7 The sum of values for FREQUENCY on the record type IVs should equal SUBSAMPLE NO. on the corresponding record type III. If FORM OF RECORD TYPE IV equals 3 then there must be only two record type IVs with the LINE NUMBERS OF 001 and 002, each with a FREQUENCY=1.

5. LINE NUMBER must be sequential for record types IV and IX with no missing intermediate numbers.
6. If the value of AGE STATUS is equal to two, a corresponding record type V should occur.
7. Within a collection, the number of record type IXs of a given TAG TYPE must be less than or equal to the NUMBER TAGGED indicated for that TAG TYPE on the record type III.

The COBOL update program and the JCL to run it are given in Appendix C-5.

AUDIT TRAILS

Errors may occur in the control information fields, data fields or in the structure of the file. Errors in the control information fields can be corrected only by deleting each of the erroneous records and adding the correct records to the file. Errors in the data fields may be found through validity checks in the update process or through subsequent structural errors caused by the incorrect information. Entering the record correctly and indicating "change" in the action field corrects these errors.

Update reports are examined for errors. The reports are first checked to ensure that every collection logged into the data entry ledger was acted upon. The printouts are then examined for edit error warnings and indications of file structure errors. Each error is registered, the data sheets are examined and a list of corrections is made. The fourth report, a listing of every transaction submitted, is examined to ensure that the Latin names on the printout match the species names on the data sheets. The report is examined, also, by the individuals responsible for the data collection. Corrections are recorded on the printout and submitted for keyentry. Corrections are keyentered and submitted with other diskettes.

DISASTER RECOVERY

The third generation of the master file is placed in the fireproof vault at the State Computer Center. Diskettes containing the data needed to update the third generation to the catalogued NER.NM.NM100-1 (the most recent generation) are held in the Morehead City office. Should generations one and two be damaged, the diskettes necessary for complete updating of the third generation are available. When normal updating of the master file occurs, those diskettes that are no longer needed as backups are recycled through the data entry process. Copies of the diskettes containing the data entry form information and Comm-Stor III configuration parameters are stored in a fire proof filing cabinet in the Division of Marine Fisheries warehouse building.

REFERENCES

1980. EASYTRIEVE Reference Manual. Version 8.2. Pansophic Systems, Inc., Oak Brook, Illinois.
1982. SAS User's Guide: Basics, 1982 Edition. SAS Institute, Inc., Cary, N.C.
- National Oceanographic Data Center. 1981. NODC Taxonomic Code. Third Edition. National Oceanic and Atmospheric Administration, Washington, D.C.

A DESCRIPTION OF INSTRUCTIONS AND PROCEDURES
FOR THE PREPARATION OF FORMS FOR
THE DIVISION OF MARINE FISHERIES DATA SYSTEM

Sheryan Epperly

March 1984

TABLE OF CONTENTS

Introduction	1
Environmental and Station Data	2
Replicate Data	6
Species Data	8
Individual Data	11
Annulus Data	14
Tag Recapture Data	16

Appendices:

- A. Program Codes
- B. Location Codes
- C. Gear Codes
- D. Bottom Type Codes
- E. Water Level or Sea State Codes
- F. Alteration and Fishing Activity Codes
- G. Species Codes
- J. Tag Codes

INTRODUCTION

The contents of this manual outline the procedures to code all Division data into a common format. We have attempted to make the format as general as possible and accommodate all projects. Each program should develop a documentation. Some fields are critical and their completion is mandatory; these are denoted by dark blocks. All fields should be right justified except where noted. Only those fields blocked off will be entered into the computer. The free form fields are provided to record information but this data will not be stored.

RECORD TYPE I: ENVIRONMENTAL AND STATION DATA

This form is used by all projects to record environmental data, station location and collection effort data. Code the form as follows:

COLUMNS	FIELD TITLE	DESCRIPTION
3-9	Sequence Number	This number will be coded by keyentry personnel. Each collection will be assigned a number to aid in file maintenance. THIS FIELD WILL ALWAYS BE CODED.
26-28	Program	Each type of study has a different program. See Appendix A. THIS FIELD MUST BE CODED.
29-34	Date (YYMMDD)	Record the two-digit numerical code for year, month and day. THIS FIELD MUST BE CODED.
35-39	Station Number	This field can be used by all programs which regularly survey the same location or sequentially order collections. For example, this could be a DAN MOORE station number, a shellfish plant number, a fish house number, a juvenile program station number, etc. The use or non-use of this field must be consistent with each program.
40-49	Starting Location	Programs not utilizing global coordinates will record locations according to a nested area-subareas design. See Appendix B. Primary codes are recorded in the first two spaces of the starting location field, secondary codes in the next two, tertiary codes in the next two, etc. Some programs will record latitude and longitude for their station positions. THIS FIELD MUST BE CODED.
50-53	Grid	Only those programs using their own grid, strata, or zone system need code this field.
54	Quadrant	This is a field to be used if the above grids are further divided. For the Dan Moore programs:

NW 1 2 NE
SW 4 3 SE

RECORD TYPE I: ENVIRONMENTAL AND STATE DATA (continued)

COLUMNS	FIELD TITLE	DESCRIPTION
55-58	Time	Record the time of day (on a 24-hour clock) when the gear completed sampling. Follow standard (sun) time.
59-62	Duration or Area Sampled	Period of time, in minutes, over which the gear sampled. Lines are provided to calculate this amount from the beginning and ending time. This field may be used, instead, to record the area sampled when time is not applicable. However, the use of this field must be consistent within each program.
63-65	Gear	Each unique gear has a code. See Appendix C. THIS FIELD MUST BE CODED. Record unknown gear as 999. When no gear is used code it as "000".
66-69	Gear Parameter #1	Gear parameters are used to describe the designated gear type. Examples are headrope length, body mesh size and tailbag mesh size. Appendix C lists the order in which these parameters are to be coded for each gear type. A decimal, if needed must be coded into one of the columns. Gears which cannot be described in three parameters must have a unique gear code.
70-73	Gear Parameter #2	
74-77	Gear Parameter #3	
78	Rig	<p>Gear:</p> <ol style="list-style-type: none"> 1. singlerigged 2. doublerigged, two barrel 3. doublerigged, four barrel 4. 5. pushed 6. detached fishing gear, set 7. detached fishing gear, drift 8. weighted 9. towed between two boats
79	Type of Tow	<ol style="list-style-type: none"> 1. surface 2. midwater 3. bottom 4. oblique

RECORD TYPE I: ENVIRONMENTAL AND STATION DATA (continued)

COLUMNS	FIELD TITLE	DESCRIPTION
80	Size Composition of Sediment	Bottom types can be recorded according to Appendix D.
81	General Bottom Composition	
82	Bottom Profile	<p>Few programs record information regarding bottom profile, but others are contemplating collection of such data. Codes are:</p> <ol style="list-style-type: none"> 1. level regular 2. sloping regular 3. level moderately irregular 4. sloping moderately irregular 5. level highly irregular 6. sloping highly irregular <p>"Sloping" denotes 10% change in depth over station.</p>
83-85	Depth	Record average depth of water in meters. If needed, a decimal is coded in one of the columns.
86-88	Air Temperature ($^{\circ}$ C)	
89-91	Surface Temperature ($^{\circ}$ C)	
92-94	Bottom Temperature ($^{\circ}$ C)	
95-97	Surface Salinity ($^{\circ}$ /oo)	
98-100	Bottom Salinity ($^{\circ}$ /oo)	
101-104	Variable Field #1	Conductivity, for example
105-107	Surface Dissolved Oxygen	(ppm)
108-110	Bottom Dissolved Oxygen	(ppm)
111-112	pH	
113	Weather Element	<p>Record percent cloud cover to nearest 25% as follows or record weather condition if cover is 100%.</p> <ol style="list-style-type: none"> 1. clear skies 2. one-quarter cover (25%) 3. one-half cover (50%)

RECORD TYPE I: ENVIRONMENTAL AND STATION DATA (continued)

COLUMNS	FIELD TITLE	DESCRIPTION
		4. three-quarter cover (75%) 5. one hundred percent cover 6. haze 7. fog 8. precipitation 9. snow
114-117	Variable Field #2	Barometer, for example
118	Wind Direction	Record the direction FROM which the wind is blowing. N=1 8=NW NE=2 7=W E=3 6=SW SE=4 S=5
119-120	Wind Speed (knots)	
121	Current Direction	Record the direction TO which the current is flowing according to the codes given under WIND DIRECTION.
122-123	Current Speed (knots)	
124	Water Level	This is more applicable in areas of tidal influence but may be applicable to nearly all programs. This field can also be used to record sea state. See Appendix E.
125	State of Alteration	Record the alteration state of the sampling site. See Appendix F.
126	Allowed Fishing Activity	See Appendix F.
127-128	Number of Replicates	This should correspond to the number of TYPE II records to follow. THIS FIELD MUST BE CODED.

RECORD TYPE II: REPLICATE DATA

Type II records are replicate data. Usually, each effort or unit sample will have one TYPE II record. Unless the sampling is species specific, the variables on this record are to include all species. Information taken on species outside the collection or sample unit are to be recorded under Replicate Number = 00; that replicate is to be included in the count of replicates which is recorded on Record Type I under NUMBER OF REPLICATES. ALL FIELDS ON THIS RECORD TYPE MUST BE COMPLETED. If any fields are unknown or not applicable, code the field with "9's" (a right adjusted ".") can serve as a shorthand symbol indicating a field to be filled with "9's"). All weights are in metric units (kg). One pound = 0.454 kilogram.

COLUMNS	FIELD TITLE	DESCRIPTION
10-11	Replicate Number	<p>A replicate is: 1) a collection effort or a group of collection efforts depending on whether the data for the individual efforts are pooled. If the data are not pooled, each effort is given a unique replicate number. For example, a trawl is a collection effort.</p> <p>or 2) a unit sample of a collection effort or a group of collection efforts. For example, a fish box or fish basket sample of a collection is a unit sample. Each unit sample is given a unique replicate number.</p>
26-30	Collection Size	<p>Record the size of the collection. This is the total amount for all in the collection effort. For example, the size of a catch would be recorded here. If there is no catch, record this field as zero. The sum of Collection Number or Collection Weight, whichever is applicable, across all Type III records associated with the replicate should equal the value coded in Collection Size. Program 610 can use this field to record the size of the piece of cultch. Program 615 can use this field to record the total number of kilos taken.</p>

RECORD TYPE II: REPLICATE DATA (continued)

COLUMNS	FIELD TITLE	DESCRIPTION
31-35	Sample Size	Record the size taken for sampling from this replicate. The units must be the same as for COLLECTION SIZE; often this will be the same as COLLECTION SIZE. For example, the size of a fish basket or box sample of catch would be recorded here. The sum of Sample Number or Sample Weight, whichever is applicable, across all Type III records associated with the replicate should equal the value coded in Sample Size. If there is no catch, record zero. Program 615 can use this field to record the number of kilos with live or recently dead spat.
36-37	Number of Type III Records	This is the total number of Type III records associated with the given replicate.
38	Quality	<p>Quality is important when analyzing data. Occasionally, problems may be incurred at a station limiting the use of the data taken. Record this field as follows:</p> <ul style="list-style-type: none"> 0 good sample 1 problems incurred but can be used quantitatively 2 problems incurred but can be used qualitatively 3 species list incomplete but existing data can be used quantitatively 4 species list incomplete but existing data can be used qualitatively 6 species have been processed <p>This field left blank will be interpreted to mean a good sample ('0').</p>
39-128	F111	

RECORD TYPE III: SPECIES DATA

All fields except tagging related fields MUST BE RECORDED; otherwise fill field with "9's" (or "."). For qualitative estimates of abundances use:

99995 for tens of individuals
 99996 for hundreds of individuals
 99997 for thousands of individuals
 99999 for an unknown number of individuals

These numbers should be entered in the fields Collection Number, Sample Number and Subsample Number when applicable. Record all weights in metric units (kg). One pound = 0.454 kilogram.

COLUMNS	FIELD TITLE	DESCRIPTION
10-11	Replicate	This corresponds to the replicate number of columns 10-11 for the record type II. For species observed but not sampled record replicate as zero.

12-21	Species	This is a hierarchal code for the species. The general basis for this code is: / / / / / / Class Order Family Genus Species
-------	---------	---

For example, flounders of the genus Paralichthys would be recorded as 8857030300. However, if a species is positively indentified as P. albigutta it would be recorded as 8857030302. If only the family could be determined, it would be recorded as 8857030000.

22	Species Status	Occasionally a species must be entered on a Record Type III more than once for a given replicate. If all data for a species is pooled, use Status = 0 (0 will be substituted for a blank in this position). If data are separated by size classes, assign each size class ascending values of status beginning with 1 for the smallest size class. For a given Sequence Number, the assignment of
----	----------------	---

RECORD TYPE III: SPECIES DATA (continued)

		species status, by size, must be consistent. For example, fish graded as jumbo must have the same Species Status regardless of which replicate (fish box) it may have occurred. Program 615 will record live spat as 1 and recently dead spat as 2, whenever dead spat are noted.
26-30	Collection Number	Record total number of individuals of the species in the replicate collection. The value must be a whole number.
31-36	Collection Weight	Record the total weight (kg) of the species in the replicate collection.
37-41	Sample Number	This is the total number of the given species in the replicate sample (not replicate collection unless they are the same). If the entire collection is sampled, this is the same as Collection Number. For spatfull evaluations, this is the sum of live and recently dead spat. The value must be a whole number.
42-47	Sample Weight	This is the total weight (kg) of the given species in the replicate sample (not replicate collection unless they are the same).
48-52	Subsample Number	This is the total number of the given species in a subsample of the species if one is taken. If no subsample is taken this is the same as Sample Number. If a range of lengths is to be given, this value is 2. For spatfull evaluations, this is the number of live spat. The value must be a whole number.
53-58	Subsample Weight	If no subsample is taken, this is the same as Sample Weight.
59	Form of Record Type IV	This field is to indicate the format of the following data. This field would be recorded as follows: 0 No data taken on individuals

RECORD TYPE III: SPECIES DATA (continued)

NOTE: When a number does not precede a length, frequency will

be inferred as 1.

- 1 Modal length frequencies are recorded. Each length is preceded by the frequency of that length. No other individual data are recorded.
- 2 Length frequencies are recorded. Each length is preceded by the frequency of that length. No other individual data are recorded.
- 3 Only minimum and maximum lengths are recorded.
- 4 Biological data besides actual the lengths are recorded. Frequency should equal one.
- 5 No data taken on individuals, but species observed spawning.
- 7 Biological data, besides modal lengths, are recorded.

60	Tag Type (1)	Record the code for a specific type of tag used on the number of individuals recorded in the next field.
61-65	Number Tagged (1)	Record the total number of individuals tagged with the type of tag as recorded in the previous field.
66	Tag Type (2)	Record the code for a specific type of tag used on the number of individuals recorded in the next field.
67-71	Number Tagged (2)	Record the total number of individuals tagged with the type of tag as recorded in the previous field.
72-128	Fill	

RECORD TYPE IV: INDIVIDUAL DATA

Two separate forms though in part identical, are given for individual data. Their use depends on the data to be collected. One form is for length, sex and maturity data only. The other form is to be used when data besides those above variables are to be recorded for individuals. ALWAYS RECORD DATA AS FREQUENCIES OF UNIQUE DATA. For those species with only a range of lengths to be recorded, the minimum is recorded first, followed by the maximum length.

COLUMNS	FIELD TITLE	DESCRIPTION
23-25	Line Number	Record each Type IV record of the species sequentially, beginning with 001.
26-28	Frequency	Record the number of individuals for which the following data applies.
29-32	Length	Record the length (or egg diameter) of the individual.
33	Fill	
34-38	Weight	(kilograms)
39	Sex	(1) = male (2) = female (3) = undetermined
		NOTE: Undetermined denotes that the individual was examined for that character but could not be classified; a blank field is interpreted as not examined.
40	Maturity	1 immature 2 maturing 3 mature (ripe) 4 running ripe 5 spent 6 resting or inactive 7 sponge crab 8 9 undetermined
41-44	Parameter A	Gonad weight, for example.
45-48	Parameter B	Adductor muscle or gonad subsample weight, for example.

RECORD TYPE IV: INDIVIDUAL DATA (continued)

49-52	Parameter C	Viscera weight or median ova diameter, for example.
53-56	Parameter D	Number of eggs, for example.
57	Egg or Larval Stage	Defined by the following: <ol style="list-style-type: none"> 1 unfertilized egg or egg prior to first mitotic division 2 fertilized egg-thru the 8 cell stage 3 8 cell stage through blastodisc 4 gastrula 5 blastopore closure 6 tail bud free of yolk 7 late embryo-just before shedding egg sac 8 yolk sac larvae 9 post yolk sac larvae A shed egg sac B undetermined egg C undetermined larvae
58	Status	<ol style="list-style-type: none"> 1 tagged 2 tag recapture; returned to water 3 tag recapture; not returned to water 4 deformity 5 red line peeler crab 6 pink line peeler crab 7 white line peeler crab 8 soft shell crab 9 paper shell crab
59-64	Tag Number	
65	Age Status	<ol style="list-style-type: none"> 1 only number of marks recorded 2 length to annulus data recorded 3 ageing structure taken; not yet analyzed
66	Aged Structure	<ol style="list-style-type: none"> 1 scale 2 pectoral spine 3 otolith 4 shell <p>This field must be coded if Age Status = 0.</p>
67-68	Age	This field must be coded if Age Status = 1 or = 2.

RECORD TYPE IV: INDIVIDUAL DATA (continued)

COLUMNS	FIELD TITLE	DESCRIPTION
69-70	Number of Spawning Marks	
71-128	Fill	

RECORD TYPE V: ANNULUS DATA

This is to be used when distance to annuli measurements are taken.

COLUMNS	FIELD TITLE	DESCRIPTION
23-25	Line Number	This should correspond to the same line number as on Record Type IV for the same individual.
26-27	Age	
28-30	Distance to Edge	
31-33	Marginal Increment	
34-36	Distance to 1st Annulus	NOTE: Each scale shape or skeletal piece has a standard axis for measurement. These must remain consistent within each species.
37-39	Distance to 2nd Annulus	
40-42	Distance to 3rd Annulus	
43-45	Distance to 4th Annulus	
46-48	Distance to 5th Annulus	
49-51	Distance to 6th Annulus	
52-54	Distance to 7th Annulus	
55-57	Distance to 8th Annulus	
58-60	Distance to 9th Annulus	
61-63	Distance to 10th Annulus	
64-66	Distance to 11th Annulus	
67-69	Distance to 12th Annulus	
70-72	Distance to 13th Annulus	
73-75	Distance to 14th Annulus	
76-78	Distance to 15th Annulus	
79-81	Distance to 16th Annulus	
82-84	Distance to 17th Annulus	
85-87	Distance to 18th Annulus	
88-90	Distance to 19th Annulus	

RECORD TYPE V: ANNULUS DATA (continued)

91-93	Distance to 20th Annulus
94-96	Distance to 21st Annulus
97-99	Distance to 22nd Annulus
100-102	Distance to 23rd Annulus
103-105	Distance to 24th Annulus
106-108	Distance to 25th Annulus
109-111	Distance to 26th Annulus
112-114	Distance to 27th Annulus
115-117	Distance to 28th Annulus
118-120	Distance to 29th Annulus
121-123	Distance to 30th Annulus
124-125	Number of Spawning Marks
126-128	Fill

RECORD TYPE IX: TAG RECAPTURE DATA

COLUMNS	FIELD TITLE	DESCRIPTION
THE FOLLOWING FIELDS MUST BE RECORDED.		
3-9	Sequence Number	This number corresponds to the Sequence Number of the collection in which the individual was tagged.
10-11	Replicate Number	This number corresponds to the Replicate Number of the collection in which the individual was tagged.
12-21	Species	Record the code for the species tagged and recaptured.
22	Species Status	Record the code for the Species Status as recorded when tagged.
23-25	Line Number	Record each Type IX record with the same unique control information, sequentially, beginning with 001.
26-31	Tag Number	Record the Tag Number of the tagged individuals.
32	Tag Type	See Appendix J.
The following fields are not mandatory, unless noted.		
33-38	Recapture Date YYMMDD	If the recapture date is unknown, leave this field blank. If the year is known and the month and/or day is unknown, code the unknown subfields with zeros.
39-48	Recapture Location	Record the location of recapture either by the waterbody codes in Appendix B or by global coordinates, consistent with the program documentation.
49-51	Recapture Gear	See Appendix C. Record unknown recapture gears as '999'; and use '000' when no gear was used to record a tag. THIS FIELD MUST BE CODED.
52-55	Days Out	Record the number of days elapsed from the date of recapture.

RECORD TYPE IX: TAG RECAPTURE DATA (continued)

COLUMNS	FIELD TITLE	DESCRIPTION
56-59	Distance Travelled	The measure of the distance a tagged individual travelled before recapture will be program specific. For example, the measure may be a straight line distance or the most direct water route. The units within a program (miles, nautical miles, etc.) must be consistent.
60-63	Recapture Length	Record the length of the recaptured individual.
64-68	Recapture Weight	Record the weight of the recaptured individual.
69	Maturity	Record the maturity of the recaptured individual.
70-128	Fill	

Space is provided to record the name and address of the returnee. This information will not be digitized as part of the record but may be digitized as part of a separate "in house" file.

APPENDIX A: PROGRAM CODES

100's FISH SURVEYS

- 100 Juvenile anadromous study
- 105 Striped bass nursery area ecology study
- 110 Albemarle non-anadromous juvenile study
- 115 Non-anadromous spawning area survey
- 120 Nursery area - CZM - juvenile stock assessment
- 125 Vandemere Creek study
- 126 Orchard Creek study
- 130 Freshwater intrusion study
- 150 Anadromous adult spawning area sampling
- 160 Anadromous egg and larvae sampling
- 170 Division adult finfish sampling-collection and sample size measured by weight
- 175 Division eel pot sampling
- 180 Division adult finfish sampling-collection and sample size measured by number

300's FISH TAGGING STUDIES

- 300 Inshore anadromous tagging
- 320 Scrapfish tagging
- 330 Inshore flounder tagging
- 340 Albemarle Sound non-anadromous tagging (white and channel cat and white perch)
- 350 Croaker tagging

400's COMMERCIAL SAMPLES

- 400 Anadromous commercial harvest-culled samples
- 410 Anadromous commercial harvest-unculled samples

APPENDIX A (continued)

- 420 Striped bass (AFCS-14) commercial harvest-culled samples
- 421 Striped bass flight survey
- 422 Striped bass log books
- 430 Non-anadromous commercial harvest-culled samples
- 431 Sciaenid pound net fishery-culled samples
- 432 Flounder pound net fishery-culled samples
- 433 Winter trawl fishery-culled samples
- 434 Sink net fishery-culled samples
- 435 Beach seine fishery-culled samples
- 436 Crab trawl fishery-culled samples
- 437 Long haul fishery-culled samples
- 438 Offshore live bottom fishery-culled samples
- 440 Non-anadromous commercial harvest-unculled samples
- 441 Sciaenid pound net fishery-unculled samples
- 442 Flounder pound net fishery-unculled samples
- 443 Winter trawl fishery-unculled samples
- 444 Sink net fishery-unculled samples
- 445 Beach seine fishery-unculled samples
- 446 Crab trawl fishery-unculled samples
- 447 Long haul fishery-unculled samples
- 450 Scrapfish study
- 460 Shrimp
- 470 Commercial crab harvest samples

- 500's CRUSTACEAN STUDIES
- 510 Shrimp size frequency and CPUE sampling
- 520 Shrimp tagging

APPENDIX A (continued)

530 Crab pot sampling

540 Crab trawl sampling

550 Crab tagging

600's MOLLUSC STUDIES

600 Culch planings (site selection)

610 Plant samples (spatfall evaluation) - Morehead City

615 Plant samples (spatfall evaluation) - Wrightsville Beach

618 Relay Evaluations

620 Seed clam study

630 Shellfish "CZM" survey

640 Clam kicking area studies

650 Clam escalator dredge area studies

660 Shellfish lease investigations

670 Special surveys (oysters)

680 Special surveys (clams)

690 Scallop surveys

700's DAN MOORE STUDIES

700 Anadromous fish survey

705 Flounder survey

710 Scallop survey

715 Rock shrimp survey

720 Exploratory fishing/general survey

725 Gear testing

730 Lobster survey

735 Squid project

APPENDIX A (continued)

- 740 Diving
- 745 B.C.F. Schoolfish survey
- 750 Clam survey
- 755 Demersal survey
- 760 Demonstration cruise
- 765 Industrial fish survey
- 770 Aqua 10 Sargassum survey
- 775 Net selectivity testing

- 900's MISCELLANEOUS
- 910 Fish kill samples
- 920 Gear testing
- 930 Miscellaneous ageing samples

- 000's NON-DMF PROGRAMS
- 050 Inland Fisheries stream surveys
- 051 Inland Fisheries Lake Phelps surveys
- 055 Peat Methanol Associates Pungo River biological data
- 060 U.S. Fish and Wildlife Service data

WATER

2500000000 - 4900000000 ARE RESERVED FOR GLOBAL COORDINATES

CODE

STATIONS

ATLANTIC OCEAN

CAPE CANAVERAL TO CAPE ROMAIN 0000000000
 NORTH OF BRUNSWICK, GA 0000000000
 SOUTH OF BRUNSWICK, GA 0000000000
 CAPE ROMAIN TO CAPE FEAR (LONG BAY) 0000000000
 FRYING PAN SHOALS 0000000000
 CAPE FEAR TO CAPE LOOKOUT (ONSLOW BAY) 0000000000
 NEARSHORE EDGEWATER BANKS 0000000000
 NEARSHORE SHACKLEFORD BANKS 0000000000
 BEAUFORT BAR 0000000000
 CAPE LOOKOUT SLOUGH 0000000000
 CAPE LOOKOUT JETTY VICINITY 0000000000
 CAPE LOOKOUT BIGHT 0000000000
 NEARSHORE 0000000000
 ATL. BEACH ARTIFICIAL REEF 0000000000
 CAPE LOOKOUT TO CAPE HATTERAS (RALEIGH BAY) 0000000000
 NEARSHORE CORE BANKS 0000000000
 OFF OCRACOE BEACHES 0000000000
 OFF HATTERAS INLET CAPE HATTERAS BEACHES 0000000000
 DIAMOND SHOALS 0000000000
 CAPE HATTERAS TO CAPE HENRY/CAPE CHARLES 0000000000
 WINDLE SHOALS 0000000000
 OREGON INLET 0000000000
 THE CIGAR 0000000000
 RUSSIAN TRAWLER 0000000000
 CURRITUCK BEACH LIGHT (COROLLA - DUCK BECH) 0000000000
 KITTY HAWK TO OREGON INLET BEACHES & NEHR 0000000000
 OREGON INLET TO CAPE HATTERAS BEACHES & NEHR 0000000000
 NEARSHORE PEA ISLAND 0000000000
 C. HENRY/C. CHARLES TO C. HENLOPEN/C. MAY 0000000000
 NORFOLK CANYON 0000000000
 WASHINGTON CANYON 0000000000
 BALTIMORE CANYON 0000000000
 C. HENLOPEN/C. MAY TO CAPE COD 0000000000

CURRITUCK SOUND

AREAS WITHIN CURRITUCK SOUND PROPER 0100000000
 C.SU.BR. TO JEWISH QUARTER IS. 0100010000
 C.SO.BR. TO JEWISH QUARTER IS. 0100010000
 JEWISH QUARTER IS. TO POPLAR BRANCH 0100020000
 POPLAR BR. TO PARKER CR. TO C.BEACH LT. 0100030000
 PARKER CR. TO BELL PT. TO SWAN IS. 0100040000
 BELL PT. TO SWAN IS. TO VA. LINE 0100050000
 CURR.SND BR.-S. TO POWELLS PT./LONG PT. 0100060000
 JENKINS COVE 0100070000
 JARVIS CHANNEL 0100080000

CR29 CR30

124 301-303 3045 305 311 312 1E 1MS 1W
 CS1 CS3-CS7 CS11 CS12 CS15 CS16S
 306 308 2E 2ME 2MW 2W CS24-CS26 CS28 CS29
 310S 311 312 CS18 CS35 CS38 CS39
 CS32
 318 CS41 CS47
 111S 112S 123 AS4 CS60S
 307

WATER

STATIONS	CODE	STATIONS
JEAN GUITE CREEK	0100090000	CS20 CS21
HOG QUARTER CREEK	0101000000	Z00 CS17
DOWDY BAY	0102000000	
BEACLEY BAY	0103000000	CS22
WELLS CREEK	0104000000	
NELLS CREEK	0105000000	
SANDERS BAY	0106000000	
WHALE HEAD BAY	0107000000	
SHIPS BAY	0108000000	
RACCOON BAY	0109000000	
KNOTTIS ISLAND BAY	0110000000	
BELLOWS BAY	0111000000	
COINJOCK BAY	0112000000	
CEDAR ISLAND BAY	0113010000	
CEDAR BAY	0114020000	
NORTH LANDING RIVER	0115030000	
NORTH LANDING RIVER	0116040000	
GIBBS CREEK	0117050000	
TULLS BAY	0118060000	
TULLS CREEK	0119070000	
NORTHWEST RIVER	0120080000	
SHINGLE LNDS CK.	0121090000	
BACK BAY	0122100000	
WEBSTER CREEK	0123110000	
ALLEGHARLE SOUND	0200000000	
AREAS WITHIN ALLEGHARLE SOUND PROPER	0200010000	
EDENTON BAY TO US17 RR.	0200020000	
ROADNOKE R. TO US17 RR.	0200030000	
EDENTON BAY TO RAILROAD BR.	0200040000	
ROADNOKE R. TO RAILROAD BR.	0200050000	
RAILROAD BR. TO HWY. 32 NORTHSIDE	0200060000	
RAILROAD BR. TO HWY. 32 SOUTHSIDE	0200070000	
HWY. 32 TO DRUMMOND PT.	0200080000	
HWY. 32 TO LAUREL PT.	0200090000	
DRUMMOND PT. TO HARVEY PT.	0200100000	
LAUREL PT. TO BULL BAY (EASTSIDE)	0200110000	
HARVEY PT. TO LITTLE R.	0200120000	
BULL BAY TO SHIP PT. (EASTSIDE)	0200130000	
LITTLE R. TO WADE PT.	0200140000	
SHIP PT. TO LONG SHOAL FT.	0200150000	
WADE PT. TO CAMDEN PT.	0200160000	
LONG SHOAL FT. TO NED BEES PT.	0200170000	
CAMDEN PT. TO FT. HARKER TO POWELLS FT.	0200180000	
NED BEES PT. TO CAROON FT.	0200190000	
CAROON FT. TO RHODONS PT. EAST TO BEACH	0200200000	
POWELLS FT. -CAROON FT. -RHODONS FT.	0201000000	
NORTH RIVER	0201010000	
NORTH RIVER	0201020000	
DUCK CREEK	0201030000	
BARNETT CREEK	0201040000	
LUTZ CREEK	0201050000	
GOOSE POND	0201060000	
DEEP CREEK	0201070000	
NARRINW RIVE CREEK	0201080000	
12		
49 CR2 CR3 T3		
1 2 3 125 51 52 53 56 51P-54P T1 T2		
153 57 58 T4 T8		
8 129 129S 140 152 AS19 AS20 AS24		
54 55 55P 56P 57P 58P T5 T6 T7		
138 141 149 (OW)15 A2 AS11 U2 U4		
9 9 151 AS25 W1 B3		
5 6 127S 136 137 143 AS12 E1 E3 A1 A3 A4		
130S 142 150 AS27 AS29 E2 EA		
126S E11 E12 AS14		
(OW)3 AS28		
27S 135 A10 A11 AS16		
144 144S AS32		
134 AS7		
145 145S (OW)5 AS34 AS35 AS37		
131S (OW)4 (OW)25 AR6 AR7		
125 125S 132 133 AS2 AS3 AS5		
146 147S (OW)26 AS8A 147		
1S 2S 4 7 21 25 26 D2 D4 D7 D13 D15		
NR2 NR3 NR5 NR7 NR8 (OW)23 (OW)24		
6 16 NR1		
18 D16		
15 D12		
8 9		
12		

WATER

WATER BODY NAME	CODE	STATIONS
BUMFLANDING CREEK	0201370000	
TAYLOR BAY	0201390000	8 19
TW FROM TAYLOR BAY TO COINJOCK BAY	0201390000	9 10 24
INDIANTOWN CREEK	0201100000	7 11 12 20 22 23
WADING CUT	0201110000	
BROAD CREEK	0201120000	3 NK9 NR10
NORTH BRANCH	0201120100	2
LITTLE BROAD CREEK	0201120200	17
NORTH BRANCH	0201130000	5
HUNTING CREEK	0201130100	4
ABEL CREEK	0201130000	3
BACKLANDING CREEK	0201150000	1
PUBLIC CREEK	0201160000	6
COW CREEK (CROOKED CREEK)	0201170000	11
GREAT CREEK	0201180000	5 10
BULL FROG CREEK	0201190000	14 D4
EAST CANAL	0201200000	13 D5
GREEN ISLAND CREEK	0201210000	
PASQUOTANK RIVER	0202000000	3 7 10 11 13 13S 14S-16S 15 17 18 22 23 24
PASQUOTANK RIVER	0202000000	(DW)20-(DU)22 26 27 A6-A14 A16-A20 A22-A24 B1A
PASQUOTANK RIVER	0202000000	B1A B3A B2-B5 B8 B10 B11 B13 B14 B17 C2-C5
PASQUOTANK RIVER	0202000000	C9-C11 EP11-EP14 S2
RAYMOND CREEK	0202010000	13 B12 B15
PORTHONK CREEK	0202020000	18
ARENEUSE CREEK	0202030000	17 21 B6
SAWYERS CREEK	0202040000	5 C1
LITTLE FLATTY CREEK	0202050000	12 LF1 LF2
NEW BEGUN CREEK	0202060000	1 16 19 20 A1 A3 A5
FALING CREEK	0202060100	
JAMES CREEK	0202060200	
CHARLES CREEK	0202070000	21
KNOBS CREEK	0202080000	2 4 29
UNNAMED TRIB WHICH JOINS ARENEUSE CR.	0202090000	30
UNNAMED TRIB BELOW SAWYERS CREEK	0202100000	10
UNNAMED CREEK ABOVE COOPER CREEK	0202110000	10
UNNAMED CREEK BELOW GOAT ISLAND	0202120000	9
COOPER CREEK	0202130000	
DISMAL SWAMP CANAL (LAKE DRUMMOND CANAL)	0202140000	6 24 25 D6 C7
JOYDE CREEK	0202150000	19 20
BIG FLATTY CREEK	0202150000	25 26 28 DF2
CHAPEL CREEK	0202160000	14
MILL DAM CREEK	0202160000	15
LITTLE RIVER	0202190000	1 3 4 7 9 27S 28 29 32 32S (DU)19 B5
LITTLE RIVER	0202190000	A2 A3 B1 B3 B3A B4 B5 B5S B6 B6S B7S
LITTLE RIVER	0202190000	2 30 31 (DU)18
SYMONDS CREEK	0202200000	5 A1
HALLS CREEK	0202210000	4 A4 A6
DEEP CREEK	0202220000	1 3 5 8 14 19 20 24-27 33S 34S 35 36 38 38S
PERQUIMANS RIVER	0202220000	(DU)16 (DU)17 A1 A3 A5-A7 A9 A12-A16
PERQUIMANS RIVER	0202220000	12
MUDDY CREEK	0202220000	
CANAAN CREEK (COVE CREEK)	0202220000	
SUTTONS CREEK	0202230000	2 16 18 37 A18
MILL POND CREEK (MILL CREEK)	0202240000	4 7 9 13 15
GOODWIN CREEK	0202250000	1 6 23
WALTERS CREEK (RACCOON CREEK)	0202260000	10 11 17 20
MATHEWS CREEK	0202270000	21

WATER

WATER BODY CODE	STATION CODE	STATION
UNNAMED CREEK (1200,1001,1208)	0205000000	22
YEOPIM RIVER	0206000000	10 39S 40 41 E4
YEOPIM CREEK	0207010000	4 9 44 45 E8
BETHEL CREEK	0208000000	2 2 8 43
BURNT MILL CREEK	0209030000	3 5 7 E3
MIDDLETOWN CREEK	0210020000	1 11 42
EDENTON BAY	0211030000	12 19 50 (OW)29 ED2 EB3 EB5 FJ1 FJ2
QUEEN ANNE CREEK	0212010000	1 2 4 5 10
POLLOCK CREEK (PENROCK CREEK)	0213020000	2 3 6 8 9 11 13-16 51 EB5
DRAINAGE DITCH	0214000000	7
CHOWAN RIVER	0215000000	
AREAS WITHIN CHOWAN R. PROPER	0216000000	
HWY 17 BR-MT GLD LINES/HARRS. LINES	0217000100	26 46S 54 (OW)12 CR1 CR5 CR8 CR13 CR14
HWY 17 BR-MT GLD LINES/HARRS. LINES	0218000100	EP01 EP02 EP05-EP08 NA01-NA03 NA10 NA25 NA26
MT GLD L./HARR.L.-COLER./CHOW.B.	0219000200	25 47S 07-231 CR19 CR11 NA04-NA06 (OW)11
COLER./CHOW.B./N.HOLIDAY IS.	0220000300	12 56 57 59 07041 CR12 CR15 CR17 EP03 EP04
COLER./CHOW.B./N.HOLIDAY IS.	0221000300	25 39-41 NA07 (OW)9 (OW)10
COLER./CHOW.B./N.HOLIDAY IS.	0222000300	NA13 NA14 NA22 NA23 NA28
N.HOLIDAY IS-KOUTH BARNES CK.	0223000400	34 42 CR18-CR20 H2 NA11 NA12 NA15 NA16 NA30
MOUTH BARNES CK-HWY 158/13 BR.	0224000500	29 36 38 43S 66 CR22-CR24
MOUTH BARNES CK-HWY 158/13 BR.	0225000500	NA29 NA21 NA31 NA32 NA36
HWY 158/13 BR TO VA. ST.LINE	0226000600	14 30 32 70 CR25-CR29 NA18 NA17 NA24
ROCKYHOOK CREEK	0227000600	1 16 55 R1 R2
DILLARD CREEK	0228000000	2
STUMFY CREEK	0229000000	3 13 W1-W3
CATHERINE (WARWICK) CREEK	0230000000	8 T1
TROTMAN CREEK	0231000100	4 5 9 37 59 60 B2 B4-B10 NA08 NA09
BENNETTS CREEK	0232000000	22 53 61 M3
SAREN CREEK	0233000000	7
TAYLORS MILL POND	0234000100	11
COLE CREEK	0235000200	23 M1
BARNES CREEK	0236000000	
SPIKES CREEK	0237000000	24
BUCKHORN CREEK	0238010000	12
RUN SWAMP	0239010000	31 M1-N4
MUD CREEK	0240010000	
SOMERTON CREEK	0241020000	9 20 27 28 33 62 63 65 K1 K3 K4 L1-L4 NA29 NA33
HARES MILL CREEK	0242030000	L1-L4 NA29 NA33
WICACON RIVER	0243040000	5 17 64 L5 L6
WICACON RIVER	0244040100	18
CHINKAPIN CREEK	0245040200	
AHOSKIE CREEK	0246050000	
DEEP SWAMP	0247060000	
CURRITUCK CREEK (KEEL CREEK)	0248070000	3-5 16-27 67 68-68S 69 07252
WILLOW BRANCH	0249080000	M1 M3 M5-M7 M9-M14 NA17 NA27 NA34
MEHERRIN RIVER	0250090000	1 11 13 P1-P7
MEHERRIN RIVER	0251090100	12
POTECASI CREEK	0252090101	14
INDIAN CREEK	0253090102	15
OLD TREE SWAMP	0254090103	6-9
PANTHER SWAMP	0255090200	10
KIRBY CREEK	0256090201	2
TURKEY CREEK	0257090300	1 2 3 5 52 53 S2
LIVERMAN CREEK	0258090000	14
SALMON CREEK	0259090100	
EASTMOST SWAMP	0260090100	

WATER

WATER BODY CODES	STATION CODES	STATIONS
CRICKET SWAMP	0208200200	15
CRICKET SWAMP	0208200200	15
UNNAMED CREEK AT CANNONS FERRY	0208210000	10
UNNAMED CREEK AT CANNONS FERRY	0208210000	10
UNNAMED CREEK ACROSS FROM WICACONN CK.	0208220000	21
UNNAMED CREEK ACROSS FROM WICACONN CK.	0208220000	21
NOTTAWAY RIVER	0208230000	1-11 01-05 NA35
NOTTAWAY RIVER	0208230000	1-11 01-05 NA35
BLACKWATER RIVER	0208240000	12 13 P1-P5
BLACKWATER RIVER	0208240000	12 13 P1-P5
CATHERINE CREEK (AT TUNIS)	0208250000	19
BACHELOR BAY	0209000000	7 128S AS21 AS22 AS23 AS23A BR1 BR2 EP09
CASHIE RIVER	0209010000	2 4 71S 72-75 CR2-CR4 CR6 CR7 CR9-CR13
CASHIE RIVER	0209010000	10-12 14-16 18 CR15 CR16
CASHOKE CREEK	0209010100	CC1
BROAD CREEK	0209010200	17 301-RC3
BRENDEL CREEK	0209010300	9 51 52
WADING PLACE CREEK	0209010400	1 1A
HOGGARD HILL CREEK	0209010500	3 3A
RORQUIST CREEK	0209010600	5 13
CHLSKA CREEK	0209010700	6
CONNARISTA CREEK	0209010800	8
WHITE OAK SWAMP	0209010900	7 77 NR2
MIDDLE RIVER	0209020000	77 NR2
EASTMOST RIVER	0209030000	E1
ROANOKE RIVER	0210000000	
AREAS WITHIN ROANOKE RIVER PROPER	0210000000	
MARKER#8-MOUTH OF WELCH CK.	0210000100	43 76 70 BR1 RR2 (OW)14
WELCH CK-HWY 17 L AT WIMSTON	0210000200	4 5 37 38 79 81 82 RR3 RR4 RR8-RR10 RR15-RR17
HWY 17 BR AT WIMSTON HWY 11 BR.	0210000300	83 40 RR23-RR26
HWY 11 BR.-HWY 258 BR.	0210000400	24 42 RR27-RR28 RR29-RR31 RR31
HWY 258 BR.-ROANOKE RAPIDS DAM	0210000500	5 20 23 25 RR20 RR18-RR19 RR32-RR34
CANADY CREEK	0210010000	35 36 41 76 CC1 CC2
WELCH CREEK	0210020000	1 31 33
INDIAN CREEK (NO. 1)	0210030000	2 6 34
CONINE CREEK	0210040000	27
BROAD CREEK	0210050100	RR5-RR7
LEFT FORK	0210050100	28 80
THROUGHFARE	0210060000	
CONCHO CREEK	0210070000	1-7 26
DEVILS GUT	0210080000	39 RR11-RR13
GARDNERS CREEK	0210090000	7
ROSES CREEK	0210090000	3 80
COW CREEK	0210100000	
CONIOTT CREEK	0210110000	1 32
ROANOKE CREEK	0210110100	
UNNAMED TRIP	0210110200	22
SWEETWATER CREEK	0210120000	21 44 45
KERUKEE SWAMP (CK. NO. 4)	0210150000	11 29
QUANKEY CREEK	0210160000	30
CK. NO. 2-1ST CK SE OF HWY 11	0210170000	9
CK. NO. 3-2ND CK SE OF HWY 11	0210180000	10
CK NO 5-SPLITS TO S CONNIS. & MORELEET	0210190000	12
CK NO 6-5. ON RAILROAD X IN NW BERTIE CO.	0210200000	14
CK. NO. 7-CK. JUST SOUTH OF BRIDGES CR.	0210210000	15
BRIDGES CREEK (CK. NO. 8)	0210220000	16

WATER

WATER	CODE	STATIONS
CONDORNARA SWAMP (CR. NO. 7)	0210230000	17
TRIB TO BARFOUS MILL FORD (CK. NO. 10)	0210240000	18
OCCONECHEE CREEK	0210250000	19
SWAMP AT END OF SSR 1106	0210260000	8
CANAL AT ROARHOKE FOR HERTING CLUB	0210270000	13
	0210280000	
SWAN BAY	0210300000	M4 M5 M7 5D2 5D3
MADKEYS CREEK (KENDRICK CREEK)	0210300000	M1
OLD MILL CREEK	0210310000	M3
MILL CREEK	0210320000	25 M2 3D1
MAIN CANAL	0210330000	(OW)6 10 11 85S J4
	0210340000	4 7 10 25 35 38 39 04 84S 85-87 (OW)7
SCUPPERNONG RIVER	0210350000	J1 J6 US1 US6 4D3 4D4 4D8 4D9
SCUPPERNONG RIVER	0210360000	2 4D6
RIDERS CREEK	0210370000	11 23 40 4D2
MOCCASIN (WESTERN) CANAL	0210380000	7 17
CREEK TO BATAVA & BEE TREE	0210390000	
BATAVA (BATAVA) CANAL	0210400000	5 31 34 4D1
BEE TREE CANAL	0210410000	37
WINSLOW'S FEEDER	0210420000	4501 6502 7601 7612 76NE 76SD 7801-7820
LAKE PHILIP	0210430000	33
30 FOOT CANAL	0210440000	4D7
WHITE CANAL (END CK AT COLUMBIA)	0210450000	32
FIRST COLONY PUMP. STA. CANAL	0210460000	8 36
SOMERSET (TRANSPORTATION) CANAL	0210470000	12
CHERRY CANAL	0210480000	22
ERICH CANAL (1126 CANAL)	0210490000	3 4D5
SECOND CREEK (ABOVE RIDERS CK.)	0210500000	29 J5
BULL CREEK	0210510000	28
DEEP CREEK	0210520000	
CANAL SSR 1308	0210530000	
ALLIGATOR RIVER	0210540000	(OW)3 19 6R5 6R8 2D9
AREAS WITHIN ALLIGATOR RIVER PROPER	0210550000	92 (OW)2 AR14 2D3
LONG SHOAL PT-SOUND PT-ALLIG. R.	0210560000	74 AR17 HT (OW)1
ALL RIVER-GOOSE CR-BILL TAIL CR	0210570000	95 AR19
GOOSE-MILLTAIL CR-CATT STUNNY PT	0210580000	97 AR13 3E5
CATT-STMP PT-GRPV B-BILL LBY FT	0210590000	AR11 AR12
GRPV-BFLR RUG-NWPTRES PT-MK10	0210600000	31 79 100 3E6
PT LKOUT-GA BAY-THE FORKS	0210610000	13 11-13 3E2
THE FORKS-KILKENNY LANDING	0210620000	14-16
KILKENNY LNDG-NEW L.FK/ALLIG. R.	0210630000	4E1
UPRIVER OF NEW LAKE FK/ALLIG. R.	0210640000	1 17 18 89 90 LA2-LA4 LA6 LA7 3D4 3D5
LITTLE ALLIGATOR CREEK (RIVER)	0210650000	5 91 AR1 AR2 3D3
SECOND CREEK	0210660000	146
THE STRAITS	0210670000	6 23 H1-H5 3D1
THE FRYING PAN	0210680000	4 93 AR15 AR16 2D1 2D2
MILLTAIL CREEK & LAKE	0210690000	3 101 E1 E7 2D7
SOUTH LAKE	0210700000	E2
BROAD CREEK	0210710000	E4
DEEP BAY	0210720000	16 103 2D6
NORTHEAST PRONG	0210730000	2D5
HOOVER CUT	0210740000	22
ROBERTSON'S LANDING CANAL	0210750000	102
SOUTHEAST PRONG	0210760000	2 2A 68S 104-106 G2 G4-G6 G8 2D8 2D10
EAST LAKE	0210770000	
LONG POINT CANAL	0210780000	

WATER

WATER BODY NAME	CODE	STATIONS
WHIPPING CREEKS & LAKE	0211070000	7 29 2E1 2E2
SWAN CREEK & LAKE	0211080000	2 3E3 3E4
NO. 1 CANAL NO 24 (OFF ALLIGATOR RIVER)	0211090000	11
DWM-ALLIGATOR	0211100000	
NEWLAKE FORK	0211110000	4E2
NEW LAKE	0211120000	4E3
GRAPEVINE BAY	0211130000	20 26
NORTHWEST FORK	0211140000	3A1 NA4 NAE 3E7
CANAL NO. 1 NO 24 (WAYNE'S)	0211150000	?
SOUTHWEST FORK	0211160000	12 NA2 NA3 3E8
GUM NECK PUMPING STATION	0211170000	19
CHERRY RIDGE CANAL	0211180000	14
NO. 2 CANAL OFF ALLIGATOR R. TO NO 24	0211190000	15 302
EAST LAKE CANAL	0211200000	204
KITTY HAWK BAY	0211210000	KHB1 KHW2
COLINGTON CREEK	0211220000	F1 E2 E5-8E3 8E4
BUZZARD BAY	0211230000	
BLACK WALNUT SWAMP	0211240000	LI-L4 NA29 NA33
TOM HAWN CREEK	0211250000	1035 113 114 148 (OW)27 CR1 CR3
CROATAN SOUND	0300000000	CR4-CR6 CRT CR9 CR13 CR20 CR21
CROATAN SOUND	0300000000	CR22
PETER MASHOES CREEK	0302000000	CR10 CR11 CR23
SPENDER CREEK	0303000000	
CALLAGHAN CREEK	0304000000	
BAUK CREEK	0305000000	
OYSTER CREEK	0306000000	
CEASAR RUSH BAY	0307000000	
CUTTHROUGH	0308000000	
SMITH CREEK	0309000000	
MANN'S HARBOR	0309000000	
MANN'S HARBOR	0309000000	
AREAS WITHIN ROANOKE SOUND PROPER	0400000000	1075
BAUM SLOUGH	0400000000	(OW)28 1095 1105 115 118 119 120 E3 R9 R10
WALTER SLOUGH	0400000000	R12-R14 R16-R21 R13 RS1 RS2 RS3
STETSON CHANNEL	0400000000	
BLOSSIE CREEK	0400000000	
CHANNEL BETWEEN HERRING SH. & BOBBIE IS.	0400000000	
SHALLOWBAG BAY	0400000000	
SCARFORD CREEK	0400000000	
DOUGH CREEK	0400000000	
JOHN'S CREEK	0400000000	
SAND BEACH CREEK	0400000000	
BROAD CREEK	0400000000	
MILL CREEK	0400000000	
OYSTER CREEKS CUTHROUGH	0400000000	
AREAS WITHIN PAMLICO SOUND PROPER	0500000000	
ROYAL SHOAL	0500000000	
POINT OF MARSH	0500000000	
BLUFF SHOAL	0500000000	
SWANQUARTER HARBOR	0500000000	
NEUSE RIVER LIGHT	0500000000	
CEDAR ISLAND BEACH	0500000000	
AREAS WITHIN PAMLICO SOUND PROPER	0500000000	
ROYAL SHOAL	0500000000	
POINT OF MARSH	0500000000	
BLUFF SHOAL	0500000000	
SWANQUARTER HARBOR	0500000000	
NEUSE RIVER LIGHT	0500000000	
CEDAR ISLAND BEACH	0500000000	

WATER

STATIONS

CODE

BRANT ISLAND SHOAL	0500000000	
BRANT SLOUGH	050100000	
BRANT ISLAND (HORSESHOE)	0500119000	
WEST OF BLUFF	0500120000	
LOWER MIDDLE GROUND	0500120000	
INNER MIDDLE GROUND	0500120000	
UPPER MIDDLE GROUND	0500120000	
PAMLICO RIVER LIGHT	0500120000	
EAST BLUFF	0500120000	
GULL ROCK	0500120000	
LONG SHOAL	0500120000	
GIBBS SHOAL	0500120000	
SEVEN FOOT PATCH	0500120000	
RACCOON ISLAND	0500120000	
OFFSHORE OLIVER REEF	0500120000	
GULL ISLAND	0500120000	
SOUTH WEST POINT (ROYAL SHOAL)	0500120000	
NORTH WEST POINT (ROYAL SHOAL)	0500120000	
JACK SHOAL	0500120000	
OUTER BANKS	0500120000	
HATTERAS ISLAND	0500120000	
HATTERAS ISLAND	0500120000	
SANDY BAY	0500120000	
CAPE CHANNEL	0500120000	
CRAB SLOUGH	0500120000	
OLD HOUSE SLUGH	0500120000	
DAVIS CHANNEL	0500120000	
CLAM SHOAL	0500120000	
OLD NEW INLET CHANNEL	0500120000	
TERRAFIN CR. BAY	0500120000	
UNCLE JIMMY'S LANDING	0500120000	
CLARKS BAY	0500120000	
KROOKS CREEK	0500120000	
AUSTIN CR.	0500120000	
OLIVERS REEF	0500120000	
SHACK SHOAL	0500120000	
JACK SHOAL	0500120000	
BLACKMAR GUT	0500120000	
GOUCE CREEK	0500120000	
EAGLE NEST BAY	0500120000	
ASKINS CREEK	0500120000	
OSKACAKE ISLAND	0500120000	
HOWARD REEF	0500120000	
LEGGED LUMP	0500120000	
BIG FOOT SLOUGH	0500120000	
TEACHERS HOLE	0500120000	
FORTSMOUTH ISLAND	0500120000	
HODGES REEF	0500120000	
MULLET SHOAL	0500120000	
EVERGREEN SLOUGH	0500120000	
THE HAULOYER	0500120000	
SWAN ISLAND	0500120000	
GREAT ISLAND	0500120000	
HOG ISLAND	0500120000	
SOW ISLAND	0500120000	

HI19 HI18 HI17 HI16 HI15 HI14 HI13
 HI12 HI11 HI10 HI9 HI8 HI7 HI6
 HI5 HI4 HI3 HI2 HI1

PI1 PI2 PI3 PI4 PI5
 PI6 PI7

WATER

STATIONS

WATER BODY	CODE	STATIONS
OFF PORTSMOUTH ISLAND	0500350000	
CRAB HOLE	0501100000	
OFF STUMPY POINT	0501370000	
STUMPY POINT BAY	0501900000	SPB1-SPB8 P12
PARCHED CORN BAY	0502900000	PCB1 PCB1A
LONG SHOAL RIVER	0503000000	LSR2 LSR3 LSR10 LSR13 LSR14 P10
PATAZ BAY	0503100000	LSR4 LSR5
DEEP CREEK	0503200000	LSR1
BROAD CREEK	0503300000	LSR3 LSR7 LSR9
CUMBERLAND CREEK	0503400000	
MUDDY CREEK	0503500000	LSR8
OTTER CREEK	0504000000	LSR11 LSR12
BERRYS BAY	0507000000	
FAR CREEK	0507000000	
WAUPOPIN CREEK	0507000000	FC1 FC2 FC3 FC9 P9
KITTY CREEK	0507010000	FC5
OYSTER CREEK	0508020000	FC7
LONG TREE CREEK	0508030000	FC6
BURRUS CREEK	0507009000	
MIDDLETON ANCHORAGE	0509000000	FC4 FC10
MIDDLETOWN CREEK	0509010000	FC3 3F5
CEDAR CREEK	0509010100	
BACK CREEK	0510000000	
JEANNETTE CREEK	0511000000	
FEDS CREEK	0512000000	
BROOKS CREEK	0513000000	FC5A
WYSOCKING BAY	0514010000	WB1 WB2 WB5 WB7 WB12 3F3
LONE TREE CREEK	0514020000	WB4
LAKE LANDING CANAL	0514030000	WB3 WB6 WB3A
DOUGLAS BAY	0514030000	
OLD HILL BAY	0514040000	WB10
MT. PLEASANT BAY (HICKORY CREEK BAY)	0514050000	WB11 WB4A
HICKORY CREEK	0514050100	WB9
BROWNS ISLAND BAY	0514070000	WB8
MIDDLE CREEK	0515000000	
OUTFALL CANAL	0516000000	OC2 3F1 3F2
LAKE MATTAMUSKEET	0516010000	
BOUNDARY CANAL	0516010100	
FAIRFIELD CANAL	0516010200	ZE1
CARTERS CANAL	0516010300	ZE1
WEST MAIN CANAL	0516010400	
MANAGEMENT IMPONDMENTS	0516010500	M18 MI10
JUNIPER CREEK	0517000000	
EAST BLUFF BAY	0518000000	OC4
HARBOR CREEK	0518010000	OC1
WEST BLUFF BAY	0518020000	OC3
CUNNING HARBOR	0520000000	JB4
JUNIPER BAY	0521000000	JB2 JB5 JB7 JB9
LAUREL CREEK	0521010000	JB8
BUCK CREEK	0521020000	JB6
DOE CREEK	0521030000	
NORTHWEST CREEK	0521040000	JB1
RATTLESNAKE CREEK	0521050000	JB3
JUNIPER BAY CREEK	0521060000	AF10
(JUDGES) QUARTER CANAL	0522000000	SQB2 SQD6 SQD8-SQB10 P3 4F9
SWANQUARTER BAY		

WATER

	CODE	STATIONS
CAFFEE BAY	0522310000	SRB11-SRB13 SRB1L SRB18
UNNAMED NORTHERN TRIBUTARY	0522310100	SRB17
GYSTER CREEK	0522320000	SRB3 SRB7 SRD14
JARVIS CREEK	0522330000	SRB1 SRB5
SHINGLE CREEK	0522340000	SRB18
COWPEN CREEK	0522350000	SRB4
UNNAMED WEST TRIBUTARY	0522370000	SRB17
HAULOVER	0522370100	SRB16
HAULOVER CREEK	0522390000	SRB21 RB22
EASTERN BAY	0522390000	SRB20
THE NARROWS	0522390000	SRB19
DEEP COVE	0522400000	AF6 RB2 RB8 RB10 RB13-RB15 RB23-RB29 P2
WHITE PERCH BAY	0522400000	RB16 RB18
TOLERS BAY	0522400000	RB17
ROSE BAY	0522400000	RB11
DRUM COVE	0522410000	RB4-RB6 RB1M RB1L 4F7
MIDDLE CREEK	0522410200	4F8
BERNICE CREEK	0522410300	RB3 RB9 RB2U RB2L
SWAN POINT CREEK	0522420000	RB2U RB2M RB2L
ROSE BAY CANAL	0522430000	RB12
CEDAR CREEK	0522430100	RB1
TOOLEY CREEK	0522440000	RB7
SOUTHWEST UNNAMED TRIBUTARY	0522450000	RB30
LIGHTWOOD SNAG BAY	0522450100	SR SR11-SR13
UNNAMED WESTERN TRIBUTARY	0522460000	SR3
UNNAMED NORTHERN TRIBUTARY	0522470000	SR1 SR2 SR6 SB7
UNNAMED WESTERN TRIB. (ISLAND CREEK)	0522470000	SR14 GB1L
SPENCER BAY	0522480000	SR8
STRIKING BAY	0522480000	SR4 AF3
GERMANTOWN BAY	0522490000	SR5
SWAN CREEK	0522500100	SR10
JEANNETTE CREEK	0522500200	SR15
LONG CREEK	0522500300	SR16
UNNAMED NORTH TRIBUTARY	0522520400	SR17
CHELLYBELLY CREEK	0522530000	SR13 143-145 153S 155 159-161 PAR33
UNNAMED WESTERN TRIBUTARY SO.	0522540000	SR25 4F4 M1 PARIS PAR17
UNNAMED WESTERN TRIBUTARY NO.	0522550000	SR26 127S 129 130 131S 132 134 141 PAR55
DITCH CREEK	0522560000	SR27 112 115 116 PARIS
PAHLICO RIVER	0522560000	SR28 1160000
AREAS WITHIN PAHLICO RIVER PROPER	0522560000	SR29 200000
GUM PT./GARRISON PT. TO MOUTH	0522570000	SR30 200000
GUM PT./GARRISON PT. TO MOUTH	0522580000	SR31 143-145 153S 155 159-161 PAR33
MAULS PT/RGGD PT-GUM PT/GARRISON PT	0522590000	SR32 4F4 M1 PARIS PAR17
UPSTREAM OF MAULS PT/RGGD PT.	0522600000	SR33 127S 129 130 131S 132 134 141 PAR55
LONG CREEK	0522610000	SR34 112 115 116 PARIS
WILLOW CREEK	0522620000	SR35 143-145 153S 155 159-161 PAR33
ABEL BAY	0522630000	SR36 4F4 M1 PARIS PAR17
BERRY CREEK	0522640000	SR37 127S 129 130 131S 132 134 141 PAR55
BELL BAY	0522650000	SR38 112 115 116 PARIS
BOX CREEK	0522660000	SR39 200000
MARIE CREEK	0522670000	SR40 200000
HOBBS CREEK	0522680000	SR41 143-145 153S 155 159-161 PAR33
BELL CREEK	0522690000	SR42 AB6 5F21
BERRY CREEK	0522700000	SR43 AB5
BELL CREEK	0522710000	SR44 AB7
BOX CREEK	0522720000	SR45 AB1 AB3
MARIE CREEK	0522730000	SR46 AB7
HOBBS CREEK	0522740000	SR47 AB1 AB3
BELL CREEK	0522750000	SR48 AB7
BOX CREEK	0522760000	SR49 AB1 AB3
MARIE CREEK	0522770000	SR50 AB7
HOBBS CREEK	0522780000	SR51 AB1 AB3
BELL CREEK	0522790000	SR52 AB7
BOX CREEK	0522800000	SR53 AB1 AB3
MARIE CREEK	0522810000	SR54 AB7
HOBBS CREEK	0522820000	SR55 AB1 AB3
BELL CREEK	0522830000	SR56 AB7
BOX CREEK	0522840000	SR57 AB1 AB3
MARIE CREEK	0522850000	SR58 AB7
HOBBS CREEK	0522860000	SR59 AB1 AB3
BELL CREEK	0522870000	SR60 AB7
BOX CREEK	0522880000	SR61 AB1 AB3
MARIE CREEK	0522890000	SR62 AB7
HOBBS CREEK	0522900000	SR63 AB1 AB3
BELL CREEK	0522910000	SR64 AB7
BOX CREEK	0522920000	SR65 AB1 AB3
MARIE CREEK	0522930000	SR66 AB7
HOBBS CREEK	0522940000	SR67 AB1 AB3
BELL CREEK	0522950000	SR68 AB7
BOX CREEK	0522960000	SR69 AB1 AB3
MARIE CREEK	0522970000	SR70 AB7
HOBBS CREEK	0522980000	SR71 AB1 AB3
BELL CREEK	0522990000	SR72 AB7
BOX CREEK	0523000000	SR73 AB1 AB3
MARIE CREEK	0523010000	SR74 AB7
HOBBS CREEK	0523020000	SR75 AB1 AB3
BELL CREEK	0523030000	SR76 AB7
BOX CREEK	0523040000	SR77 AB1 AB3
MARIE CREEK	0523050000	SR78 AB7
HOBBS CREEK	0523060000	SR79 AB1 AB3
BELL CREEK	0523070000	SR80 AB7
BOX CREEK	0523080000	SR81 AB1 AB3
MARIE CREEK	0523090000	SR82 AB7
HOBBS CREEK	0523100000	SR83 AB1 AB3
BELL CREEK	0523110000	SR84 AB7
BOX CREEK	0523120000	SR85 AB1 AB3
MARIE CREEK	0523130000	SR86 AB7
HOBBS CREEK	0523140000	SR87 AB1 AB3
BELL CREEK	0523150000	SR88 AB7
BOX CREEK	0523160000	SR89 AB1 AB3
MARIE CREEK	0523170000	SR90 AB7
HOBBS CREEK	0523180000	SR91 AB1 AB3
BELL CREEK	0523190000	SR92 AB7
BOX CREEK	0523200000	SR93 AB1 AB3
MARIE CREEK	0523210000	SR94 AB7
HOBBS CREEK	0523220000	SR95 AB1 AB3
BELL CREEK	0523230000	SR96 AB7
BOX CREEK	0523240000	SR97 AB1 AB3
MARIE CREEK	0523250000	SR98 AB7
HOBBS CREEK	0523260000	SR99 AB1 AB3
BELL CREEK	0523270000	SR100 AB7
BOX CREEK	0523280000	SR101 AB1 AB3
MARIE CREEK	0523290000	SR102 AB7
HOBBS CREEK	0523300000	SR103 AB1 AB3
BELL CREEK	0523310000	SR104 AB7
BOX CREEK	0523320000	SR105 AB1 AB3
MARIE CREEK	0523330000	SR106 AB7
HOBBS CREEK	0523340000	SR107 AB1 AB3
BELL CREEK	0523350000	SR108 AB7
BOX CREEK	0523360000	SR109 AB1 AB3
MARIE CREEK	0523370000	SR110 AB7
HOBBS CREEK	0523380000	SR111 AB1 AB3
BELL CREEK	0523390000	SR112 AB7
BOX CREEK	0523400000	SR113 AB1 AB3
MARIE CREEK	0523410000	SR114 AB7
HOBBS CREEK	0523420000	SR115 AB1 AB3
BELL CREEK	0523430000	SR116 AB7
BOX CREEK	0523440000	SR117 AB1 AB3
MARIE CREEK	0523450000	SR118 AB7
HOBBS CREEK	0523460000	SR119 AB1 AB3
BELL CREEK	0523470000	SR120 AB7
BOX CREEK	0523480000	SR121 AB1 AB3
MARIE CREEK	0523490000	SR122 AB7
HOBBS CREEK	0523500000	SR123 AB1 AB3
BELL CREEK	0523510000	SR124 AB7
BOX CREEK	0523520000	SR125 AB1 AB3
MARIE CREEK	0523530000	SR126 AB7
HOBBS CREEK	0523540000	SR127 AB1 AB3
BELL CREEK	0523550000	SR128 AB7
BOX CREEK	0523560000	SR129 AB1 AB3
MARIE CREEK	0523570000	SR130 AB7
HOBBS CREEK	0523580000	SR131 AB1 AB3
BELL CREEK	0523590000	SR132 AB7
BOX CREEK	0523600000	SR133 AB1 AB3
MARIE CREEK	0523610000	SR134 AB7
HOBBS CREEK	0523620000	SR135 AB1 AB3
BELL CREEK	0523630000	SR136 AB7
BOX CREEK	0523640000	SR137 AB1 AB3
MARIE CREEK	0523650000	SR138 AB7
HOBBS CREEK	0523660000	SR139 AB1 AB3
BELL CREEK	0523670000	SR140 AB7
BOX CREEK	0523680000	SR141 AB1 AB3
MARIE CREEK	0523690000	SR142 AB7
HOBBS CREEK	0523700000	SR143 AB1 AB3
BELL CREEK	0523710000	SR144 AB7
BOX CREEK	0523720000	SR145 AB1 AB3
MARIE CREEK	0523730000	SR146 AB7
HOBBS CREEK	0523740000	SR147 AB1 AB3
BELL CREEK	0523750000	SR148 AB7
BOX CREEK	0523760000	SR149 AB1 AB3
MARIE CREEK	0523770000	SR150 AB7
HOBBS CREEK	0523780000	SR151 AB1 AB3
BELL CREEK	0523790000	SR152 AB7
BOX CREEK	0523800000	SR153 AB1 AB3
MARIE CREEK	0523810000	SR154 AB7
HOBBS CREEK	0523820000	SR155 AB1 AB3
BELL CREEK	0523830000	SR156 AB7
BOX CREEK	0523840000	SR157 AB1 AB3
MARIE CREEK	0523850000	SR158 AB7
HOBBS CREEK	0523860000	SR159 AB1 AB3
BELL CREEK	0523870000	SR160 AB7
BOX CREEK	0523880000	SR161 AB1 AB3
MARIE CREEK	0523890000	SR162 AB7
HOBBS CREEK	0523900000	SR163 AB1 AB3
BELL CREEK	0523910000	SR164 AB7
BOX CREEK	0523920000	SR165 AB1 AB3
MARIE CREEK	0523930000	SR166 AB7
HOBBS CREEK	0523940000	SR167 AB1 AB3
BELL CREEK	0523950000	SR168 AB7
BOX CREEK	0523960000	SR169 AB1 AB3
MARIE CREEK	0523970000	SR170 AB7
HOBBS CREEK	0523980000	SR171 AB1 AB3
BELL CREEK	0523990000	SR172 AB7
BOX CREEK	0524000000	SR173 AB1 AB3
MARIE CREEK	0524010000	SR174 AB7
HOBBS CREEK	0524020000	SR175 AB1 AB3
BELL CREEK	0524030000	SR176 AB7
BOX CREEK	0524040000	SR177 AB1 AB3
MARIE CREEK	0524050000	SR178 AB7
HOBBS CREEK	0524060000	SR179 AB1 AB3
BELL CREEK	0524070000	SR180 AB7
BOX CREEK	0524080000	SR181 AB1 AB3
MARIE CREEK	0524090000	SR182 AB7
HOBBS CREEK	0524100000	SR183 AB1 AB3
BELL CREEK	0524110000	SR184 AB7
BOX CREEK	0524120000	SR185 AB1 AB3
MARIE CREEK	0524130000	SR186 AB7
HOBBS CREEK	0524140000	SR187 AB1 AB3
BELL CREEK	0524150000	SR188 AB7
BOX CREEK	0524160000	SR189 AB1 AB3
MARIE CREEK	0524170000	SR190 AB7
HOBBS CREEK	0524180000	SR191 AB1 AB3
BELL CREEK	0524190000	SR192 AB7
BOX CREEK	0524200000	SR193 AB1 AB3
MARIE CREEK	0524210000	SR194 AB7
HOBBS CREEK	0524220000	SR195 AB1 AB3
BELL CREEK	0524230000	SR196 AB7
BOX CREEK	0524240000	SR197 AB1 AB3
MARIE CREEK	0524250000	SR198 AB7
HOBBS CREEK	0524260000	SR199 AB1 AB3
BELL CREEK	0524270000	SR200 AB7
BOX CREEK	0524280000	SR201 AB1 AB3
MARIE CREEK	0524290000	SR202 AB7
HOBBS CREEK	0524300000	SR203 AB1 AB3
BELL CREEK	0524310000	SR204 AB7
BOX CREEK	0524320000	SR205 AB1 AB3
MARIE CREEK	0524330000	SR206 AB7
HOBBS CREEK	0524340000	SR207 AB1 AB3
BELL CREEK	0524350000	SR208 AB7
BOX CREEK	0524360000	SR209 AB1 AB3
MARIE CREEK	0524370000	SR210 AB7
HOBBS CREEK	0524380000	SR211 AB1 AB3
BELL CREEK	0524390000	SR212 AB7
BOX CREEK	0524400000	SR213 AB1 AB3
MARIE CREEK	0524410000	SR214 AB7
HOBBS CREEK	0524420000	SR215 AB1 AB3
BELL CREEK	0524430000	SR216 AB7
BOX CREEK	0524440000	SR217 AB1 AB3
MARIE CREEK	0524450000	SR218 AB7
HOBBS CREEK	0524460000	SR219 AB1 AB3
BELL CREEK	0524470000	SR220 AB7
BOX CREEK	0524480000	SR221 AB1 AB3
MARIE CREEK	0524490000	SR222 AB7
HOBBS CREEK	0524500000	SR223 AB1 AB3
BELL CREEK	0524510000	SR224 AB7
BOX CREEK	0524520000	SR225 AB1 AB3
MARIE CREEK	0524530000	SR226 AB7
HOBBS CREEK	0524540000	SR227 AB1 AB3
BELL CREEK	0524550000	SR228 AB7
BOX CREEK	0524560000	SR229 AB1 AB3
MARIE CREEK	0524570000	SR230 AB7
HOBBS CREEK	0524580000	SR231 AB1 AB3
BELL CREEK	0524590000	SR232 AB7
BOX CREEK	0524600000	SR233 AB1 AB3
MARIE CREEK	0524610000	SR234 AB7
HOBBS CREEK	0524620000	SR235 AB1 AB3
BELL CREEK	0524630000	SR236 AB7
BOX CREEK	0524640000	SR237 AB1 AB3
MARIE CREEK	0524650000	SR238 AB7
HOBBS CREEK	0524660000	SR239 AB1 AB3
BELL CREEK	0524670000	SR240 AB7
BOX CREEK	0524680000	SR241 AB1 AB3
MARIE CREEK	0524690000	SR242 AB7
HOBBS CREEK	0524700000	SR243 AB1 AB3
BELL CREEK	0524710000	SR244 AB7
BOX CREEK	0524720000	SR245 AB1 AB3
MARIE CREEK	0524730000	SR246 AB7
HOBBS CREEK		

1984

Water Body Name	Water Body Code	Station Code	Station Name
CROOKED CREEK	0520000000		
PUNGO RIVER	0520000000		
AREAS WITHIN PUNGO RIVER BASIN			
SNYD PT/O. FLD. FC. W/PT	0520000000		
DRY/PNGO PT-SND/0110	0520000001		
UPSTREAM DIRT/PUNGO PT	0520000002		
UPSTREAM DIRT/PUNGO PT	0520000003		
PUNGO RIVER CANAL	0520000004		
FORTESCUE CREEK			
DIXON CREEK	0520000100		
SALT PIT CREEK	0520000101		
OLD FIELD CREEK	0520000102		
LOG CREEK	0520000103		
ISLAND CREEK	0520000104		
PASTURE CREEK	0520000105		
WARNER CREEK	0520000106		
COX CREEK	0520000107		
SMELL CREEK	0520000109		
SEER CREEK	0520000110		
FORTESCUE TRIP. A	0520000111		
RUNWAY CREEK	0520000112		
SLADE CREEK			
ALLISON CREEK	0520000200		
FOREMAN CK	0520000201		
CHURCH CREEK	0520000202		
SHEER GUT	0520000203		
SPEER CREEK	0520000204		
RAFFING CREEK	0520000205		
JONES CREEK	0520000206		
SPELLMAN CREEK	0520000207		
WOOD CREEK	0520000208		
NEAL CREEK	0520000209		
BECKY CREEK	0520000210		
JARVIS CREEK	0520000211		
FISHING CREEK	0520000212		
SMITH CREEK	0520000300		
CORRISON CREEK	0520000400		
SCRANTON CREEK	0520000500		
TAYLOR CREEK	0520000600		
GALLOWAY CREEK	0520000700		
HORSE ISLAND CREEK	0520000800		
POSTER CREEK	0520000900		
DIP CREEK	0520001000		
WILKERSON CREEK	0520001100		
IWA	0520001201		
RUTMAN CREEK	0520001202		
BACK-LANDING BAY	0520001300		
QUEEN CREEK	0520001400		
CRABTREE BAY	0520001500		
RUSSEL CREEK	0520001501		
MT. OLIVE CREEK	0520001502		
CANAL D	0520001600		
KNIGHTS CREEK	0520001601		
HERRING RUN	0520001700		
LOWES DITCH CREEK	0520001800		
	0520001900		

STATIONS:

PUR30

231S 23A 5E20 PUR1S PUR25-PUR27

231S 222 5L14

200 201 202 203S 204 208 4E1 4E2 5E8

101 8F2 8F3 8F4 P3 P4 P7 PUR10(S) PPR1

8E5 8F6 8F2 PPR2

228 230 5F22 PURA PUR22 PUR23 PUR24

PUR17

PUR19

229 PURS

PUR10

225 227 5F23 PUR6

PUR20

PUR21

226 PURT

220

4F2

205 4F1 PPR4 PUR12

4E3

4E4

CMC2

CA

WATER

STATIONS

WATER BODY NAME	CODE	STATIONS
COU GUT	0523062060	
SHALLOP CREEK	0523062100	
PINEY GROVE RUN	0523062200	
STYRON CREEK	0523062300	
SOPHIE ISLAND CREEK	0523062400	
KATEMAN CREEK	0523062500	
CRACKED CREEK	0523062600	
UPPER DONEY CREEK	0523062700	
FLAX POND	0523062800	
LOWER DONEY CREEK	0523062900	
BALLALINA CREEK	0523063000	
TODDLEYS CREEK	0523063100	
PANTEGO CREEK	0523063200	
CUCUOLIS CREEK	0523063300	
SHOEMAKER CREEK	0523063400	
INGERS CREEK	0523063500	
BROAD CREEK	0523063600	
BLAIR CREEK	0523063700	
DEEP RUN	0523063800	
DIYALIVE POINT CREEK	0523063900	
EAST DISHAL SWP CANAL	0523064000	
PURGO CREEK	0523064100	
VALE CREEK	0523064200	
SCOTT CREEK	0523064300	
SMITH CREEK	0523064400	
JOHN SWAPP	0523064500	
JACK CREEK	0523064600	
LITTLE CREEK	0523064700	
STARROWS GUT	0523064800	
JORDAN CREEK	0523064900	
SPRING CREEK	0523065000	
SNEDNER GUT	0523065100	
ALLIGATOR GUT	0523065200	
SATTERTHWAITE CREEK	0523065300	
UNNAMED NORTH TRIP	0523065400	
UNNAMED SOUTH TRIP	0523065500	
WRIGHTS CREEK	0523065600	
NORTH PRONG	0523065700	
SOUTH PRONG	0523065800	
BRADLEY GUT	0523065900	
GREAT CUT	0523066000	
PURGO LAKE CANAL	0523066100	
PURGO LAKE	0523066200	
DUKE CANAL	0523066300	
DUCK PEN RD. DITCH	0523066400	
PROFFERTY LANE CANAL	0523066500	
VAN STAALWIJREN CANAL	0523066600	
SOUTH PURGO CANAL	0523066700	
NORTH PURGO CANAL	0523066800	
ALLEN CANAL	0523066900	
DUCK PEN PI. CANAL	0523067000	
CANAL B (TO PHELPS)	0523067100	
NORTH CREEK	0523067200	
FRYINGPAN CREEK	0523067300	
SEA	213 214 216 218S 219 5E1 5E11 6E3 PURGS	
SEA	210 212 5E2 PFR3	
SEA	209 211 5E3 5E10	
SEA	215 5F14 FUR9	
SEA	223 5F17	
SEA	224	
SEA	5F18 FUR16 232	
SEA	FUR14	
SEA	FUR15	
SEA	5F19 FUR2 FUR31	
SEA	FUR13	
SEA	233 PUR3	
SEA	5 6 7 17 5E6 5E7	
SEA	9 10 11 13	
SEA	14	
SEA	2 3 15	
SEA	1 4	
SEA	16	
SEA	0	
SEA	12	
SEA	BP4 BPS CB5	
SEA	157 PAR16 PAR28	
SEA	PAR21	

WATER

STATIONS	CODE
EAST FORK	0528102200
BAILEY CREEK	0528102201
ROSS CREEK	0528102202
ASHON GUT	0528103100
GASSETT GUT	0528103105
LITTLE EASE CREEK	0528103200
ST. CLAIR CREEK	0528103201
GAYLORD BAY	0528103202
MIXON CREEK	0528103203
GAR GUT	0528103204
BATH CREEK	0528103205
FLUM POINT CUT	0528103206
BACK CREEK	0528103207
ROWLAND CREEK	0528103208
TANKARD CREEK	0528103209
HARVEY CREEK	0528103210
BOYD CREEK	0528103211
ADAMS CREEK	0528103212
GLEBE GUT	0528103213
CRADLE GUT	0528103214
DUCK CREEK	0528103215
GREAT GUT	0528103216
MALLARD CREEK	0528103217
LITTLE GOOSE CREEK	0528103218
FLATLEY CREEK	0528103219
BROAD CREEK	0528103220
RUNYON CREEK	0528103221
SNOOE CREEK	0528103222
HEIRING RUN	0528103223
JACKS CREEK	0528103224
TAR RIVER	0528103225
KERNEY CREEK	0528103226
TRANTERS CREEK	0528103227
CHERRY RUN	0528103228
MITCHELL BRANCH	0528103229
MAPLE BRANCH	0528103230
ARGIE BRANCH	0528103231
SHOP COVE	0528103232
COLLIE SWAMP	0528103233
HERSEPEN SWAMP	0528103234
GRINDLE CREEK	0528103235
PARKER CREEK	0528103236
JOHNSON HILL RUN	0528103237
CONEY CREEK	0528103238
SUGGS CREEK	0528103239
FISHING CREEK	0528103240
DEEP CREEK	0528103241
BEACH SWAMP	0528103242
LITTLE FIGHTING CREEK	0528103243
MAPLE BRANCH	0528103244
SNOOCO CREEK	0528103245
CROOKED SWAMP	0528103246
BEAVERDAM SWAMP	0528103247
MAPLE SWAMP	0528103248
BUCK SWAMP	0528103249
TOWN CREEK	0528103250
150 FAR10 FAR20	0528104100
FAR1	0528104101
FAR2	0528104102
FAR3	0528104103
FAR4	0528104104
FAR5	0528104105
FAR6	0528104106
FAR7	0528104107
FAR8	0528104108
FAR9	0528104109
FAR10	0528104110
FAR11	0528104111
FAR12	0528104112
FAR13	0528104113
FAR14	0528104114
FAR15	0528104115
FAR16	0528104116
FAR17	0528104117
FAR18	0528104118
FAR19	0528104119
FAR20	0528104120
FAR21	0528104121
FAR22	0528104122
FAR23	0528104123
FAR24	0528104124
FAR25	0528104125
FAR26	0528104126
FAR27	0528104127
FAR28	0528104128
FAR29	0528104129
FAR30	0528104130
FAR31	0528104131
FAR32	0528104132
FAR33	0528104133
FAR34	0528104134
FAR35	0528104135
FAR36	0528104136
FAR37	0528104137
FAR38	0528104138
FAR39	0528104139
FAR40	0528104140
FAR41	0528104141
FAR42	0528104142
FAR43	0528104143
FAR44	0528104144
FAR45	0528104145
FAR46	0528104146
FAR47	0528104147
FAR48	0528104148
FAR49	0528104149
FAR50	0528104150
FAR51	0528104151
FAR52	0528104152
FAR53	0528104153
FAR54	0528104154
FAR55	0528104155
FAR56	0528104156
FAR57	0528104157
FAR58	0528104158
FAR59	0528104159
FAR60	0528104160
FAR61	0528104161
FAR62	0528104162
FAR63	0528104163
FAR64	0528104164
FAR65	0528104165
FAR66	0528104166
FAR67	0528104167
FAR68	0528104168
FAR69	0528104169
FAR70	0528104170
FAR71	0528104171
FAR72	0528104172
FAR73	0528104173
FAR74	0528104174
FAR75	0528104175
FAR76	0528104176
FAR77	0528104177
FAR78	0528104178
FAR79	0528104179
FAR80	0528104180
FAR81	0528104181
FAR82	0528104182
FAR83	0528104183
FAR84	0528104184
FAR85	0528104185
FAR86	0528104186
FAR87	0528104187
FAR88	0528104188
FAR89	0528104189
FAR90	0528104190
FAR91	0528104191
FAR92	0528104192
FAR93	0528104193
FAR94	0528104194
FAR95	0528104195
FAR96	0528104196
FAR97	0528104197
FAR98	0528104198
FAR99	0528104199
FAR100	0528104200
FAR101	0528104201
FAR102	0528104202
FAR103	0528104203
FAR104	0528104204
FAR105	0528104205
FAR106	0528104206
FAR107	0528104207
FAR108	0528104208
FAR109	0528104209
FAR110	0528104210
FAR111	0528104211
FAR112	0528104212
FAR113	0528104213
FAR114	0528104214
FAR115	0528104215
FAR116	0528104216
FAR117	0528104217
FAR118	0528104218
FAR119	0528104219
FAR120	0528104220
FAR121	0528104221
FAR122	0528104222
FAR123	0528104223
FAR124	0528104224
FAR125	0528104225
FAR126	0528104226
FAR127	0528104227
FAR128	0528104228
FAR129	0528104229
FAR130	0528104230
FAR131	0528104231
FAR132	0528104232
FAR133	0528104233
FAR134	0528104234
FAR135	0528104235
FAR136	0528104236
FAR137	0528104237
FAR138	0528104238
FAR139	0528104239
FAR140	0528104240
FAR141	0528104241
FAR142	0528104242
FAR143	0528104243
FAR144	0528104244
FAR145	0528104245
FAR146	0528104246
FAR147	0528104247
FAR148	0528104248
FAR149	0528104249
FAR150	0528104250
FAR151	0528104251
FAR152	0528104252
FAR153	0528104253
FAR154	0528104254
FAR155	0528104255
FAR156	0528104256
FAR157	0528104257
FAR158	0528104258
FAR159	0528104259
FAR160	0528104260
FAR161	0528104261
FAR162	0528104262
FAR163	0528104263
FAR164	0528104264
FAR165	0528104265
FAR166	0528104266
FAR167	0528104267
FAR168	0528104268
FAR169	0528104269
FAR170	0528104270
FAR171	0528104271
FAR172	0528104272
FAR173	0528104273
FAR174	0528104274
FAR175	0528104275
FAR176	0528104276
FAR177	0528104277
FAR178	0528104278
FAR179	0528104279
FAR180	0528104280
FAR181	0528104281
FAR182	0528104282
FAR183	0528104283
FAR184	0528104284
FAR185	0528104285
FAR186	0528104286
FAR187	0528104287
FAR188	0528104288
FAR189	0528104289
FAR190	0528104290
FAR191	0528104291
FAR192	0528104292
FAR193	0528104293
FAR194	0528104294
FAR195	0528104295
FAR196	0528104296
FAR197	0528104297
FAR198	0528104298
FAR199	0528104299
FAR200	0528104300
FAR201	0528104301
FAR202	0528104302
FAR203	0528104303
FAR204	0528104304
FAR205	0528104305
FAR206	0528104306
FAR207	0528104307
FAR208	0528104308
FAR209	0528104309
FAR210	0528104310
FAR211	0528104311
FAR212	0528104312
FAR213	0528104313
FAR214	0528104314
FAR215	0528104315
FAR216	0528104316
FAR217	0528104317
FAR218	0528104318
FAR219	0528104319
FAR220	0528104320
FAR221	0528104321
FAR222	0528104322
FAR223	0528104323
FAR224	0528104324
FAR225	0528104325
FAR226	0528104326
FAR227	0528104327
FAR228	0528104328
FAR229	0528104329
FAR230	0528104330
FAR231	0528104331
FAR232	0528104332
FAR233	0528104333
FAR234	0528104334
FAR235	0528104335
FAR236	0528104336
FAR237	0528104337
FAR238	0528104338
FAR239	0528104339
FAR240	0528104340
FAR241	0528104341
FAR242	0528104342
FAR243	0528104343
FAR244	0528104344
FAR245	0528104345
FAR246	0528104346
FAR247	0528104347
FAR248	0528104348
FAR249	0528104349
FAR250	0528104350
FAR251	0528104351
FAR252	0528104352
FAR253	0528104353
FAR254	0528104354
FAR255	0528104355
FAR256	0528104356
FAR257	0528104357
FAR258	0528104358
FAR259	0528104359
FAR260	0528104360
FAR261	0528104361
FAR262	0528104362
FAR263	0528104363
FAR264	0528104364
FAR265	0528104365
FAR266	0528104366
FAR267	0528104367
FAR268	0528104368
FAR269	0528104369
FAR270	0528104370
FAR271	0528104371
FAR272	0528104372
FAR273	0528104373
FAR274	0528104374
FAR275	0528104375
FAR276	0528104376
FAR277	0528104377
FAR278	0528104378
FAR279	0528104379
FAR280	0528104380
FAR281	0528104381
FAR282	0528104382
FAR283	0528104383
FAR284	0528104384
FAR285	0528104385
FAR286	0528104386
FAR287	0528104387
FAR288	0528104388
FAR289	0528104389
FAR290	0528104390
FAR291	0528104391
FAR292	0528104392
FAR293	0528104393
FAR294	0528104394
FAR295	0528104395
FAR296	0528104396
FAR297	0528104397
FAR298	0528104398
FAR299	0528104399
FAR300	0528104400
FAR301	0528104401
FAR302	0528104402
FAR303	0528104403
FAR304	0528104404
FAR305	0528104405
FAR306	0528104406
FAR307	0528104407
FAR308	0528104408
FAR309	0528104409
FAR310	0528104410
FAR311	0528104411
FAR312	0528104412
FAR313	0528104413
FAR314	0528104414
FAR315	0528104415
FAR316	0528104416
FAR317	0528104417
FAR318	0528104418
FAR319	0528104419
FAR320	0528104420
FAR321	0528104421
FAR322	0528104422
FAR323	0528104423
FAR324	0528104424
FAR325	0528104425
FAR326	0528104426
FAR327	0528104427
FAR328	0528104428
FAR329	0528104429
FAR330	0528104430
FAR331	0528104431
FAR332	0528104432
FAR333	0528104433
FAR334	0528104434
FAR335	0528104435
FAR336	0528104436
FAR337	0528104437
FAR338	0528104438
FAR339	0528104439
FAR340	0528104440
FAR341	0528104441
FAR342	0528104442
FAR343	0528104443
FAR344	0528104444
FAR345	0528104445
FAR346	0528104446
FAR347	0528104447
FAR348	0528104448
FAR349	0528104449
FAR350	0528104450
FAR351	0528104451
FAR352	0528104452
FAR353	0528104453
FAR354	0528104454
FAR355	0528104455
FAR356	0528104456
FAR357	0528104457
FAR358	0528104458
FAR359	0528104459
FAR360	0528104460
FAR361	0528104461
FAR362	0528104462
FAR363	0528104463
FAR364	0528104464
FAR365	0528104465
FAR366	05281

APPENDIX B WATER RUP, LUBES AND STATION CODES

WATER

BYNUMS MILL CREEK

OTTER CREEK
KITTEP CREEK

TYSON CREEK
SAMS BRANCH

HARRIS MILL RUN
SPRENS CREEK

HARDEE CREEK
CHICOD CREEK

BEAR CREEK
CARRON SWAMP

SWIFT CREEK
BEECH BRANCH

COMPASS CREEK
STONY CREEK

SAPPHONY CREEK
HARRIS MILL RUN

CUMBLICK BRANCH
RODRAN CREEK

CHOCOMINITY BAY
CEDAR CREEK

TAYLOR CREEK
CRAWFOR CREEK

CHOCOMINITY CREEK
SIDNEY CREEK

SILAS CREEK
RICE CREEK

CALS CREEK
HILLS CREEK

TAYLOR GUT
BLOUNTS BAY

BLOUNTS CREEK
YEATS CREEK

TUPPER CREEK
LITTLE CREEK

SHEPARD RUN
NANDY RUN

HERRING RUN
YELLOWBANK CUT

ALLIGATOR GUT
NEVIL CREEK

JACK CREEK
LEVIS GUT

CUPLER SLOUGHS
TAYLOR BRANCH

BARRIS CREEK
MILL GUT

DURHAM CREEK
GROUN RUN

CRAWFORD HILL RUN
TAN SWAMP

FORTER CREEK
HUDDLES GUT

SOUTH CREEK
TOOLEY CREEK

JACOBBS CREEK

CODE STATIONS

0520201001 TTNG

0520201100 TDC1

0520201101 TDC2

0520201200 TTY1 TTY2

0520201300

0520201400

0520201500

0520201600 THC1

0520201700 104 TCC1-TCC3

0520201800 TBC1

0520201900 TCS1

0520202000 TCC1-TSCA

0520202100 TTY1 TTY2

0520202200 TCH1

0520202300

0520202400 THM1

0520202500 TCL1

0520202600 PFC1

0520202700 113 114

0520202800 FCC1

0520202900

0520203000

0520203100

0520203200

0520203300

0520203400

0520203500

0520203600

0520203700

0520203800

0520203900

0520204000

0520204100

0520204200

0520204300

0520204400

0520204500

0520204600

0520204700

0520204800

0520204900

0520205000

0520205100

0520205200

0520205300

0520205400

0520205500

0520205600

0520205700

0520205800

0520205900

137 140 PAR6 PAR34 PDM1

PDM2
137 PAR7

146 149S 150 151 152 PAR11 PAR12(S) PJD1 PAR36
PAR27
PAR31

WATER

STATIONS

WATER BODY	CODE	STATIONS
BEINWATER CREEK	0520772201	
JACKS CREEK	0520772300	PAR32
WHITEMURST CREEK	0520772310	PAR30
BATLEY CREEK	0520772300	
BROOKFIELD SWAMP CREEK	0520772300	
CYPRESS RIV	0520772300	
GUM SWAMP RUN	0520772300	
LITTLE CREEK	0520771000	
SHORT CREEK	0520771100	
LONG CREEK	0520772200	
BOND CREEK	0520771201	PAR26
FLANNIGAN GUT	0520771201	147 PAR14
ALLIATOR GUT	0520771202	PAR24
MUDDY CREEK	0520771203	PAR23
WILSON GUT	0520771204	148 PAR13
SHEEPSKIN CREEK	0520771205	
ROBBIN GUT	0520771200	
DAVIS CREEK	0520772000	
STRAUBORN CREEK	0520772100	
CYPRESS CREEK	0520772100	
EAST PRONG	0520770101	PAR25
GOOSE CREEK	0520400000	PAR16
HAYLER CREEK	0520400100	AP A13 A15 S88 S89
LOWER SPRING CREEK	0520400200	A1
BETTY CREEK (OG CREEK)	0520400201	A2 S86
PETERSON CREEK	0520400300	A3
SNODE CREEK	0520400400	A4 A5
CAMPBELL CREEK	0520400500	A6 A8
PASTURE GUT	0520400501	A7
SMITH CREEK	0520400502	
CUFF FARLIN GUT	0520400503	A16
UPPER SPRING CREEK	0520400600	
COW GULLUS CREEK	0520400601	
HARTING CREEK	0520400602	A10 A11 S97
EASTHAM CREEK	0520400700	A12
SLADE LANDING CREEK	0520400701	
MALLARD CREEK	0520400702	
MUD GUT	0520400703	
WILKERSON CREEK	0520400704	A14
DIXON CREEK	0520400800	A52
OYSTER CREEK-MIDDLE PRONG	0520400900	A20 A51 S90
OYSTER CREEK	0520401000	A53
DUCK CREEK	0520401101	A54 A55 S91
JAMES CREEK	0520401200	A58 A59 S93
CLARK CREEK	0520401300	A56 A57 S92
MIDDLE PRONG	0520401400	R13 S97
MOUSE HARBOR	0520910000	R10
LONG CREEK	0520920000	
LIGHT HOUSE CREEK	0520920000	R11 I12 S96
MOUSE HARBOR DITCH	0520920000	
CEDAR CREEK	0520920000	R19 S99
ISLAND CREEKS	0520920000	
SOUTHWARD BAY	0520920000	
LITTLE PORPOISE BAY	0531000000	B22 S98
BIG PORPOISE BAY	0531000000	R20 I21 S95
PORPOISE CREEK	0531000000	

WATER	CODE	STATIONS
MIDDLE BAY	0530000000	B33 S85 S94
LITTLE OYSTER CREEK (BLACK DUCK CREEK)	0530000000	B30 S84
CAFFS CREEK	0530000000	B71
MIDDLE BAY CREEK	0530000000	I32
FISHING BAY	0530000000	I39
JONES BAY	0530000000	B41 B42 B46 S83 JB11 JB14 JB12 JB15
LITTLE DRUM CREEK	0530000000	B49
LITTLE EVE CREEK	0530000000	JEE
DRUM CREEK	0530000000	B45
DITCH CREEK	0530000000	B43 B44 S81 JB13
DOUBY CREEK	0530000000	
SHEEPNECK CREEK	0530000000	
UPPER JONES BAY CREEK	0530000000	B40 S82
ROCK HOLE BAY	0530000000	B71 H5 H20 CM13 S70 S78
DUMP CREEK	0530000000	DN7
TW-GALE CREEK	0530000000	DN6
DUTCH CREEK	0530000000	DN8 S79
RACCOON CREEK	0530000000	
JUMP OVER CREEK	0530000000	
GALE CREEK	0530000000	
WHEALTON CREEK	0530000000	
TAR CREEK	0530000000	
CHADWICK CREEK	0530000000	
BEAR CREEK	0530000000	
RIGGS CREEK	0530000000	
LITTLE BEAR CREEK	0530000000	CM4 DN2
BLOSSOM FOND CREEK	0530000000	CM3
OYSTER CREEK	0530000000	CM10
HARRIS CREEK	0530000000	
MESIC CREEK	0530000000	
VANDEMERE CREEK	0530000000	CM11 CM12 A01-A09 B01-B09 C01-C09 D01-D09
VANDEMERE CREEK	0530000000	A01C-A03C B01C-B03C C01C-C03C D07C D09C A01S-A19S
VANDEMERE CREEK	0530000000	B01S-B18S C01S-C18S D01S-D21S NBR1
LONG CREEK	0530000000	D01C-D08C
CEDAR CREEK	0530000000	E10C-D13C
LOG FOND CREEK	0530000000	
SMITH CREEK	0530000000	CM1
UNNAMED TRIBUTARY	0530000000	S72
HARPER CREEK	0530000000	CM14
CHAPEL CREEK	0530000000	S71
BEE TREE CREEK	0530000000	CS12 CS14 NBR2
RACCOON CREEK	0530000000	CS11
TRENT CREEK	0530000000	CS10
ALLIGATOR CREEK	0530000000	CS13
THOMAS CREEK	0530000000	CS1
NASON CREEK	0530000000	CS2 CS5
MOORE CREEK	0530000000	CS2
LITTLE PASTURE CREEK	0530000000	CS4 S72 S74
RICE CREEK	0530000000	B1 D9
BALL CREEK	0530000000	
PASTURE CREEK	0530000000	
SIMPSON CREEK	0530000000	
CABIN CREEK	0530000000	
BONNER BAY	0530000000	
RIGGS CREEK	0530000000	

APPENDIX B WATER BODY CODES AND STATION CODES 2 MAY 1984 10:39 WEDNESDAY, MAY 2, 1984

WATER

STATIONS

CODE

STATION NAME	CODE	STATION
SAVANNAH CREEK	053 010101	B2
FORSYTH CREEK	053 010102	B3 D4 D10
SPRING CREEK	053 010200	
HORTON CREEK	053 010201	
RICHARDSON CREEK	053 010202	
IVES CREEK	053 010203	
MRYAR CREEK	053 010204	B5 S75
LONG CREEK	053 010300	B5 B7 S76
COW GALLUS CREEK	053 010301	
DIPPING YAT CREEK	053 010302	B8 S77
SHEEPHEAD CREEK	053 010400	
BARNES CREEK	053 020000	
POTTER CREEK	053 020000	
SWINDELL BAY	053 020000	
NORTH PRONG	053 020000	
SOUTH PRONG	053 020000	
NEUSE RIVER	053 020000	
AREAS WITHIN NEUSE RIVER PROPER	053 020000	
ROUTE TO CHERRY PT/WILKINSON PT.	053 020100	F23 M6-M11
CHERRY PT/MILK. PT TO NEW BERN	053 020200	4170 4100 420 421 422S 434 437S NR15
CHERRY PT/MILK. PT TO NEW BERN	053 020200	NR3S NR4 NR12S NR13S M12-M16
ADVEE NEW BERN	053 020300	400 401 402S 403 404 406-409 410S 411
ADVEE NEW BERN	053 020300	413-416 M1 NR2 NHR01-NHR26
MAY BAY-MAY POINT	053 020400	
SWAN CREEK	053 020400	E1-E3 S60 S67
BROAD CREEK	053 020400	S05 BC13 BC15 BC16 E12 E14 NRC1 RC11 S61-S63 S66 S65
CEGAR CREEK	053 020500	
MILL CREEK	053 020600	E13 S64
PARRIS CREEK	053 020700	
TAR CREEK	053 020800	
GIBBEAN CREEK	053 020900	
UPPER BROAD CREEK	053 021000	E10 RC11
SHIP CREEK	053 021100	RC1
BROWN CREEK	053 021200	E11 NRC2
SPICE CREEK	053 021300	
PASTURE CREEK	053 021400	E16
BERTON CREEK	053 021500	BC3 BC14 E15 S67
FITTAN CREEK	053 021600	
GREEN CREEK	053 021700	
COFFEE CREEK	053 021800	
GUM THICKET CREEK	053 021900	
ORCHARD CREEK	053 022000	F2 F5 A1-AD B1-B0 C1-C0 S60
PASTURE CREEK	053 022100	F1 D1-DB
BRIGHT CREEK	053 022200	
OLD HOUSE CREEK	053 022300	
PIERCE CREEK	053 022400	F3 F3D F3N S59
WHITTAKER CREEK	053 022500	F4 S58
GREENS CREEK	053 022600	F13 F14 NCC1 S53 S54 S57 S56 S55
CAMP CREEK	053 022700	
SMITH CREEK	053 022800	F10 F11 NCC2
HORNIS CREEK	053 022900	
KERSHAM CREEK	053 023000	F12 NCC3
UNRAKED CREEK (F-14A)	053 023100	
SHUP GUT	053 023200	F15
DRAWHORN CREEK	053 023300	
DAWSON CREEK	053 023400	F21 F22 NCC1

WATER

WATER BODY	CODE	STATIONS
TARKLIN CREEK	0535 05100	F20
DEEP RUN	0535 05200	NDC2
BEARD CREEK	0535 05000	428 429 NR7 NR8S L1 L2 NR81
GOOSE CREEK	0525 10000	426 427 NR6 NR6 L3 NR31-NGS3
UPPER BROAD CREEK	0535 12000	424 425 L4 NUB1-HUB3
NORTHWEST CREEK	0535 13000	423 L5 NHC1
DUCK CREEK	0535 14000	419 NR2 NDK1
SLOCUM CREEK	0535 15000	431 433 NR9S K3 K4
ANDERSON CREEK	0535 150100	NR10
TUCKER CREEK	0535 150200	432 NSC1
SOUTHWEST PRONG	0535 150300	NSC2
EAST PRONG	0535 150400	NSC3
HANCOCK CREEK	0535 16000	435 436 NR11 K1 K2 NHC1
REEDS GUT	0535 170100	
STILL GUT	0535 160200	
CARROQUE CREEK	0535 160300	NHC2
CLUBFOOT CREEK	0535 170000	H2 H3 H5
MITCHELL CREEK	0535 170100	H1
MORTONS MILL FOND	0535 170200	S3
GULDER CREEK	0535 170300	H4
HARLOWE CANAL	0535 170400	HCC1
LONG CREEK	0535 180000	
COURTS CREEK	0535 190000	
ADAMS CREEK	0535 200000	G21 G22 122 S23 S25
GODFREY CREEK	0535 200100	S24
DELMAR CREEK	0535 200200	
KELLIN CREEK	0535 200300	
KEARNEY CREEK	0535 200400	
ISAAC CREEK	0535 200500	S22
RACK CREEK (BLACK CREEK)	0535 200600	G20 121
CEDAR CREEK	0535 200700	G19 S26
JONACUIN CREEK	0535 200701	
DUMPLING CREEK	0535 200800	
SANDY HUSS CREEK	0535 200900	
GARBACON CREEK	0535 210000	G13 NSR1
SOUTH RIVER	0535 210000	G15
HARDY CREEK	0535 220100	111 G16
BIG CREEK	0535 220200	G11
SOUTHWEST CREEK	0535 220300	G12
EASTMAN CREEK	0535 220400	113 G10
HEADWATERS	0535 220500	G14 S27
HORTON BAY	0535 230000	
BROWN CREEK	0535 240000	
TURNAGAIN BAY	0535 240100	S4 G1 S37 S40
ABRAHAM BAY	0535 240200	
BROAD CREEK	0535 240200	
616 GUT	0535 240300	
DEEP GUT	0535 240400	G2
OLD CANAL	0535 240500	S38
PARSON'S CREEK	0535 240600	G3 S28
HEADWATERS	0535 240700	
TUMP GUT	0535 240800	
MULBERRY PT CREEK	0535 240900	
SWIFT CREEK	0535 250000	
PITCHNETTLE CREEK	0535 250100	
	0535 250600	
		412 NSW1-NSW5
		NSW6 NSU7 NSW8
		405S NPK1 NPK2

WATER

	CODE	STATIONS
TURKEY QUARTER CREEK	053573000	TTR1-RTQ3
TAYLOR'S CREEK	053573000	TTR1
TACHELOR CREEK	053573000	NBA1-NBA4
TRENT RIVER	053573000	500 508 512 M3 NA TTR1-TTR8
BRIDES CREEK	053573100	513 514 TTR1 TTR4
HODDGE CREEK	053573200	TRE1
REEDY BRANCH	053573300	
WILSON CREEK	053573400	
HAYWARD CREEK	053573500	
ROCKY RUP	053573600	
MIRY HOLE BRANCH	053573700	
ISLAND CREEK	053573800	TIS1 TIS2
LONG WASH	053573900	
MUDDY COVE	053574000	
DEEP GULLY	053574100	
SCOTT CREEK	053574200	
RACCOON CREEK	053574300	
BEAVER BRANCH	053574400	
WEST PRONG	053574500	
CLAYHILL BRANCH	053574600	
WEST BRANCH	053574700	
HILL CREEK	053574800	
GOVIER BRANCH	053574900	
LITTLE HELL CREEK	053575000	
MILL RUN	053575100	
LONG BRANCH	053575200	
BEAVERDAN CREEK	053575300	
JUMPING CREEK	053575400	
FRENCH BRANCH	053575500	
CROOKED RUN	053575600	
MUSSELSHELL CREEK	053575700	
RESOLUTION BRANCH	053575800	
BEAVER CREEK	053575900	
DEEP BOTTOM BRANCH	053576000	
DEATH HILL RUN	053576100	
TRACE BRANCH	053576200	
RATTLESNAKE BRANCH	053576300	
BIG CHINQUAPIN BRANCH	053576400	
POPULAR BRANCH	053576500	
POCOSON BRANCH	053576600	
LITTLE CHINQUAPIN BRANCH	053576700	
JACK CABIN BRANCH	053576800	
HILL BRANCH	053576900	
CYPRESS CREEK	053577000	
TUCKAHOE CREEK	053577100	
CEDAR BAY	053577200	
RATTAN BAY	053577300	
WADING CREEK	053577400	
PINETREE CREEK	053577500	
COVE CREEK (COVE CREEK)	053577600	
KITTEN CREEK	053577700	
VILLAGE CREEK	053577800	
HALFMOON CREEK	053577900	
GRINNEL SLOUGH	053578000	
CONTENTINEA CREEK	053578100	
LITTLE CONTENTINEA CREEK	053578200	
	053578300	
	053578400	
	053578500	
	053578600	
	053578700	
	053578800	
	053578900	
	053579000	
	053579100	
	053579200	
	053579300	
	053579400	
	053579500	
	053579600	
	053579700	
	053579800	
	053579900	
	053580000	
	053580100	
	053580200	
	053580300	
	053580400	
	053580500	
	053580600	
	053580700	
	053580800	
	053580900	
	053581000	
	053581100	
	053581200	
	053581300	
	053581400	
	053581500	
	053581600	
	053581700	
	053581800	
	053581900	
	053582000	
	053582100	
	053582200	
	053582300	
	053582400	
	053582500	
	053582600	
	053582700	
	053582800	
	053582900	
	053583000	
	053583100	
	053583200	
	053583300	
	053583400	
	053583500	
	053583600	
	053583700	
	053583800	
	053583900	
	053584000	
	053584100	
	053584200	
	053584300	
	053584400	
	053584500	
	053584600	
	053584700	
	053584800	
	053584900	
	053585000	
	053585100	
	053585200	
	053585300	
	053585400	
	053585500	
	053585600	
	053585700	
	053585800	
	053585900	
	053586000	
	053586100	
	053586200	
	053586300	
	053586400	
	053586500	
	053586600	
	053586700	
	053586800	
	053586900	
	053587000	
	053587100	
	053587200	
	053587300	
	053587400	
	053587500	
	053587600	
	053587700	
	053587800	
	053587900	
	053588000	
	053588100	
	053588200	
	053588300	
	053588400	
	053588500	
	053588600	
	053588700	
	053588800	
	053588900	
	053589000	
	053589100	
	053589200	
	053589300	
	053589400	
	053589500	
	053589600	
	053589700	
	053589800	
	053589900	
	053590000	
	053590100	
	053590200	
	053590300	
	053590400	
	053590500	
	053590600	
	053590700	
	053590800	
	053590900	
	053591000	
	053591100	
	053591200	
	053591300	
	053591400	
	053591500	
	053591600	
	053591700	
	053591800	
	053591900	
	053592000	
	053592100	
	053592200	
	053592300	
	053592400	
	053592500	
	053592600	
	053592700	
	053592800	
	053592900	
	053593000	
	053593100	
	053593200	
	053593300	
	053593400	
	053593500	
	053593600	
	053593700	
	053593800	
	053593900	
	053594000	
	053594100	
	053594200	
	053594300	
	053594400	
	053594500	
	053594600	
	053594700	
	053594800	
	053594900	
	053595000	
	053595100	
	053595200	
	053595300	
	053595400	
	053595500	
	053595600	
	053595700	
	053595800	
	053595900	
	053596000	
	053596100	
	053596200	
	053596300	
	053596400	
	053596500	
	053596600	
	053596700	
	053596800	
	053596900	
	053597000	
	053597100	
	053597200	
	053597300	
	053597400	
	053597500	
	053597600	
	053597700	
	053597800	
	053597900	
	053598000	
	053598100	
	053598200	
	053598300	
	053598400	
	053598500	
	053598600	
	053598700	
	053598800	
	053598900	
	053599000	
	053599100	
	053599200	
	053599300	
	053599400	
	053599500	
	053599600	
	053599700	
	053599800	
	053599900	
	053600000	
	053600100	
	053600200	
	053600300	
	053600400	
	053600500	
	053600600	
	053600700	
	053600800	
	053600900	
	053601000	
	053601100	
	053601200	
	053601300	
	053601400	
	053601500	
	053601600	
	053601700	
	053601800	
	053601900	
	053602000	
	053602100	
	053602200	
	053602300	
	053602400	
	053602500	
	053602600	
	053602700	
	053602800	
	053602900	
	053603000	
	053603100	
	053603200	
	053603300	
	053603400	
	053603500	
	053603600	
	053603700	
	053603800	
	053603900	
	053604000	
	053604100	
	053604200	
	053604300	
	053604400	
	053604500	
	053604600	
	053604700	
	053604800	
	053604900	
	053605000	
	053605100	
	053605200	
	053605300	
	053605400	
	053605500	
	053605600	
	053605700	
	053605800	
	053605900	
	053606000	
	053606100	
	053606200	
	053606300	
	053606400	
	053606500	
	053606600	
	053606700	
	053606800	
	053606900	
	053607000	
	053607100	
	053607200	
	053607300	
	053607400	
	053607500	
	053607600	
	053607700	
	053607800	
	053607900	
	053608000	
	053608100	
	053608200	
	053608300	
	053608400	
	053608500	
	053608600	
	053608700	
	053608800	
	053608900	
	053609000	
	053609100	
	053609200	
	053609300	
	053609400	

WATER

MIDDLE SWAMP

WATER BODY NAME	CODE	STATIONS
MOSLEY CREEK	0525400001	NOM11
STONEYTON CREEK	0525410000	
SOUTHWEST CREEK	0525410000	NCT1 NST2
FALLING CREEK	0525410000	NND1
WHITLEYS CREEK	0525410000	NFA1 NFA2
SQUIRREL CREEK	0525410000	
BEAR CREEK	0525410000	NFE1
WALNUT CREEK	0525410000	NBA1
SLEEPY CREEK	0525410000	
CABIN BRANCH	0525410000	
FELLOWS BRANCH	0525410000	
CARRWAY CREEK	0525410000	
POPLAR BRANCH	0525410000	
LITTLE RIVER	0525410000	
BEAVERDAM CREEK	0525410000	HL11-ML14
HALF MILE BRANCH	0525410000	NND1
BANDY CREEK	0525410000	
FALLING CREEK (GRANTHAM QUAD.)	0525410000	NFS1
MOCCASIN CREEK	0525410000	NH11-NH14
HILL CREEK	0525410000	NH15
HANNAH CREEK	0525410000	
RACCOON SWAMP	0525410000	
GAR GUT	0525410000	
POLEGAT BRANCH	0525410000	
BLACK CREEK	0525410000	NBL1
ARTERS BRANCH	0525410000	NMD1
MIDDLE CREEK	0525410000	NMD2
SWIFT CREEK	0525410000	
THE NARROWS	0525410000	
WEST BAY	0525410000	J20 J21 M17-M19 S41
NEWSTUMP BAY-POINT	0525410000	
TUMP ISLAND	0525410000	
LONG BAY	0525410000	J1 J3 S29 S31 S32 S35 S37
FUR CREEK	0525410000	J2
GOLDEN CREEK	0525410000	CC9 S30
STUMP BAY	0525410000	
WEST THOROFARE BAY	0525410000	J11 J12 S36 S34
CODDUGGEN CREEK	0525410000	J10 S33
THOROFARE CANAL	0525410000	
MERKLE BAY	0525410000	J13
NORTH BAY	0525410000	J20 J21
MEREDITH BAY	0525410000	
SOUND BAY	0525410000	S2
CORE SOUND	0525410000	S2
AREAS WITHIN CORE SOUND-PROFER	0525410000	
WAINWRIGHT ISLAND	0525410000	
WAINWRIGHT'S SLOUGH	0525410000	
SHELL COVE	0525410000	
HALL POINT	0525410000	
YELLOW SHOAL	0525410000	
DAVIS ISLAND	0525410000	
MULLET SHOAL	0525410000	
DAVIS SHORE CHANNEL	0525410000	71
CORE SOUND CHANNEL	0525410000	82
MAINLAND AREAS OF CORE SOUND	0525410000	S20 S48

WATER

	CODE	STATIONS
CEDAR ISLAND BAY	0601010000	91 91 000 552 551
BACK BAY	0601010100	
	0601010101	92
LEWIS CREEK	0601020000	549
	0601020100	0011
SOUTHWEST FRONG	0601030000	545 546 547
RUMLEY BAY	0601030100	542 543
EAST THORFARE BAY	0601040000	0010 544
BARRY BAY	0601050000	
E. THORFARE CK (MERKLE HAMMOCK)	0601050100	
CEDAR CREEK	0601060000	
STYRON BAY	0601070000	
GLOVER CREEK	0601080000	
NELSON BAY	0601090000	01 519
FULCHERS CREEK	0601100000	
LEWIS CREEK	0601110000	517
WILLIS CREEK	0601120000	008
SALTIERS CREEK	0601130000	
LONG BAY - NELSON BAY CHANNEL	0601140000	
BROAD CREEK	0601150000	
BRETT BAY	0601160000	007 515
OYSTER CREEK	0601170000	
SPIT BAY	0601180000	0014 0019 72 512 513
JARRETTS BAY	0601190000	006
SMYRNA CREEK	0601200000	
GREAT CREEK	0601210000	
DUTCH COVE	0601220000	
SALTER CREEK	0601230000	73
HOLLAND CREEK	0601240000	
WILLISTON CREEK	0601250000	
WADE CREEK	0601260000	
MIDDINS CREEK	0601270000	
JUMP RUN	0601280000	
TUSK CREEK	0601290000	
GREAT MARSH CREEK	0601300000	
STRAITS	0601310000	53 51
	0601320000	52
WEST MOUTH BAY	0601330000	51
EAST MOUTH BAY	0601340000	
SLEEPY CREEK	0601350000	
WHITEHURST CREEK	0601360000	
STRAITS CHANNEL	0601370000	
HARRIS' POINT CHANNEL	0601380000	
CORE BANKS AREAS OF CORE SOUND	0601390000	51
CORE BANKS AREAS OF CORE SOUND	0601400000	CB1-CB6 CB8 CB14-CB16 CB19 CB21 CB23 CB27 CB28
DRUM INLET	0601410000	CB285 511 514 516 518 14 17 20
GUN CLUB	0601420000	CB7
SWASH INLET	0601430000	CB9 CB10 19
GREAT ISLAND CREEK	0601440000	
GREAT ISLAND BAY	0601450000	
JOHNSON CREEK (HAMMOCK)	0601460000	
LEWIS CREEK	0601470000	18 CB12 CB13
CODDS CREEK	0601480000	0020
HOG PEN BAY	0601490000	0026
BARDEN INLET	0601500000	44
WHITEHURST ISLAND	0601510000	52 15
CORE BANKS FLATS	0601520000	01
HORSEPEN PT. (BAY)	0601530000	CB17

WATER	CODE	STATIONS
HORREPEN CREEK	0600140100	0818
HORSE ISLAND CREEK	0600150000	0811
MULLET COVE	0600160000	0822
SHEEP FLK CREEK	0600170000	0822 CB2E
	0600180000	13 14 63
	0600190000	13 14 63
BACK SOUND	0600200000	21
AREAS WITHIN BACK SOUND PROPER		
MIDDLE MARSHES	0600210000	010
SHELL POINT	0600220000	010
BANKS BAY	0600230000	
NORTH RIVER	0600240000	
AREAS WITHIN NORTH RIVER PROPER		
NORTH RIVER MARSHES	0600250000	055
NORTH RIVER NARROWS	0600260000	45 59
NORTH RIVER BELOW BRIDGE	0600270000	08
STEEP POINT CHANNEL	0600280000	12
SHEEPHEAD MARSH	0600290000	
TURNER CREEK	0600300000	
GOOSE BAY	0600310000	47
WARD CREEK	0600320000	
NORTH LEOPARD CREEK	0600330000	
SOUTH LEOPARD CREEK	0600340000	
UPPER WARD CREEK NARROWS	0600350000	54
	0600360000	54
NEAUFORT INLET	0600370000	
NEAUFORT RIVER	0600380000	
AREAS WITHIN NEAUFORT RIVER PROPER		
NEAUFORT MARSHES	0600390000	43
PHILLIPS ISLAND	0600400000	003 55
CROSS ROCK	0600410000	
ANNIEBELLE ROCK	0600420000	
LINGKILN ROCK	0600430000	
BULLS EYE	0600440000	
FLAT ROCK	0600450000	
UPPER HAMMOCK	0600460000	
LOWER HAMMOCK	0600470000	
WHITE ROCK	0600480000	
TURTLE ROCK	0600490000	
CRAB POINT THOROFARE	0600500000	
MID NEAUFORT RIVER	0600510000	41
TAYLOR'S CREEK	0600520000	004 44
CALICO BAY	0600530000	
CALICO CREEK	0600540000	0013
CRAB POINT BAY	0600550000	0012
HELL GATE CREEK	0600560000	41A 0015
WADING CREEK	0600570000	
RUSSELL CREEK	0600580000	
CORE CREEK	0600590000	
WARE CREEK	0600600000	42
BELL CREEK	0600610000	0
EASTMAN CREEK	0600620000	0
OYSTER CREEK	0600630000	4 22
HARLOWE CREEK	0600640000	5 24
	0600650000	9 25
DOGUE SOUND		
AREAS WITHIN DOGUE SOUND PROPER		
BURDEN CHANNEL	0600660000	
EMERALD ISLE FERRY CHANNEL	0600670000	
CAT ISLAND	0600680000	

WATER

	CODE	STATIONS
IWW	0900000000	27 10 6
DRUM SLOUGH	0900000000	11 33
TAR LANDING BAY	0901000000	24
HOOP POLE CREEK	0902000000	31
FELTIER CREEK	0903000000	23
SPOONERS CREEK	0904000000	17 7
GALES CREEK	0905000000	28
BROAD CREEK	0906000000	23
SANDERS CREEK	0907000000	3 21
GOOSE CREEK	0908000000	11 12 CC1
ARCHER CREEK	0909000000	CC2
DEER CREEK	1000000000	14
BOGUE INLET	1001000000	
WHITE OAK RIVER	1001000000	
AREAS WITHIN WHITE OAK RIVER PROPER	1001000000	
WHITE OAK NARROWS	1001001000	
TURNSTAKE	1001002000	
OLD SWANSBORO CHANNEL	1001003000	
DUBLING CREEK	1001004000	
BOAT HOUSE CREEK	1001005000	
PETTIFORD CREEK BAY	1001006000	
PETTIFORD CREEK	1001007000	13
STARKEY CREEK	1001008000	W02
WELLS CREEK	1001009000	
HUNTERS CREEK	1001010000	
SPRING BRANCH	1001011000	
HOLSTON CREEK	1001012000	
HOLLAND HILL CREEK	1001013000	
CARTWHEEL BRANCH	1001014000	
HARGETTS CREEK	1001015000	
BOGUE SOUND TO NEW RIVER INLET	1001016000	
MAINLAND AREAS	1101000000	
FOSTER'S BAY	1101001000	
QUEEN'S CREEK	1101002000	
BEAR CREEK	1101003000	
SEASIDE AREAS	1102000000	
HANMOCK'S BEACH	1102001000	
IWW	1103000000	
NEW RIVER INLET	1200000000	
NEW RIVER	1201000000	
NEW RIVER BELOW 172 BRIDGE	1201001000	1 NR9 NR11 HR14 NR38-NR47
SLEADS CREEK	1201002000	NR10
FANNIE CREEK	1201003000	NR48
WHEELER CREEK	1201004000	NR49
ELLIS COVE	1201005000	
JERRET'S POINT	1201006000	
MIDDLE NEW RIVER	1201007000	
STORES BAY	1201008000	
EVERETT CREEK	1201009000	NR8 NR12 NR32-NR34 NR60 NR76
STONES CREEK	1201010000	NR35
MUDDY CREEK	1201011000	NR36
MILL CREEK	1201012000	NR37
EASTERN SHORE	1201013000	NR43
WESTERN SHORE	1201014000	
CATFISH POINT	1201015000	

WATER

	CODE	STATIONS
RIFLE RANGE	120102107	
FANHELL BAY	120102209	NR7 NR24 NR27 NR61-NR64
BACK CREEK	120102201	NR29
FLEMING'S CREEK	120102202	NR6 NR29
LAWN CREEK	120102203	NR30
WHITTHURST CREEK	120102204	NR31
MORGAN BAY	120102200	NR22 NR27 NR65-NR69
BALLAGE CREEK	120102361	NR26 NR24
LEWIS CREEK	120102302	NR17
CHADWICK BAY	120102400	NR50-NR57
FULLARD CREEK	120102401	NR54 NR55
BIGLINS CREEK	120102402	NR56 NR57
CHARLES CREEK	120102403	NR58 NR59
UPPER NEW RIVER	120103000	
NEW RIVER	120103010	NR1-NR3 NR69-NR72
SOUTHWEST CREEK	120103200	NR5 NR18
NORTHEAST CREEK	120103300	NR4 NR16 NR17 NR73-NR75
SCALES CREEK	120103301	NR15
STUMP SOUND (NEW RIVER INLET TO SURF CITY)	120000000	
MAINLAND AREAS	130100000	
ALLIGATOR BAY	130100000	SS11 SS14 SS15
TURKEY CREEK	130100000	SS16 SS17
GOOSE BAY	130100000	SS18
KING'S CREEK	130100000	SS19 SS14 SS15
BARLOW CREEK	130100000	SS110-SS113
WATERS BAY	130100000	
SEASIDE AREAS	130200000	
ALLIGATOR BAY	130200000	SS07 SS08
SPICER'S BAY (EVERETT BAY)	130200000	SS01 SS03 SS012
FERMUDA ISLAND BAY	130200000	SS02-SS05 SC09-SS011
TOPSAIL SOUND (SURF CITY TO TOPSAIL INLET)	130200000	IWW4-IWW13
MAINLAND AREAS	140100000	
BISHOP CREEK	140100000	Y11-Y110
VIRGINIA CREEK	140100000	Y11-BH3
MALLARD BAY	140100000	Y11-Y18
OLD TOPSAIL CREEK	140100000	Y11-Y18
SEASIDE AREAS	140200000	OT01-OT06
OLD CHANNEL	140200000	
TOPSAIL MARSHES	140200000	OC1-OC7
BANK'S CHANNEL	140200000	TS1-TS10
MIDDLE SOUND (TOPSAIL INLET TO MASON'S INLET)	140200000	IC1-IC3
MAINLAND AREAS	150000000	IWW14-IWW20
HILL CREEK	150100000	
FUTCH'S CREEK	150100000	NR1-NR6
PAGE'S CREEK	150100000	NR1-MC4
SEASIDE AREAS	150100000	FC1-FCA
LEA ISLAND MARSHES	150200000	FC1-FC10
FIGURE EIGHT ISLAND MARSHES	150200000	
MASON'S CHANNEL	150200000	RJ1-RJ8
WRIGHTSVILLE SOUND (MASON'S INLET TO MASONBOFD INLET)	150200000	FE1-FE5
MAINLAND AREAS	160000000	MA1-MA4
HOWE CREEK	160100000	IWW21-IWW28
BRADLEY CREEK	160100000	WI1-WI6
	160100000	NR1-NR3
	160100000	NR1-BRS

WATER

	CODE	STATIONS
SEASIDE AREAS	1600000000	
WRIGHTSVILLE MARSHES	1602010000	MM1-UMB
WRIGHTSVILLE CHANNELS	1602020000	MM1-UB10
	1603000000	MM29-IMW35
MASONBORO SOUND (MASONBORO INLET TO CABBAGE INLET, MARKER#125)	1700000000	
MAINLAND AREAS	1701010000	MC1-MC5
	1701020000	ME1-ME5
	1701030000	MC1-MC5
SEASIDE AREAS	1702000000	
MASONBORO MARSHES	1703010000	MM1-MM9
	1703020000	IMW36-IMW39
MYRTLE GROVE SOUND	1800000000	
MAINLAND AREAS	1801000000	
MASONBORO MARSHES	1802010000	MI1-MI9
SEASIDE AREAS	1803000000	
CAROLINA BEACH YACHT BASIN	1803000000	MO1-MO9
CAPE FEAR RIVER	1804000000	IMW40-IMW46
CAPE FEAR RIVER BELOW WILMINGTON	1900000000	CBY1-CBY4
BALD HEAD AREAS	1901010000	
BASIN	1901010100	
NORTHEAST ARM	1901010101	
SECOND BAY	1901010200	CFR30-CFR40
BULLARD'S BAY	1901010300	CFR41 CFR42 CFR43-CFR45
BALD HEAD CREEK	1901010500	CFR30-CFR40
FISHING CREEK	1901010600	CFR41 CFR42
EAST BEACH CREEK	1901010700	CFR30-CFR40
CAPE CREEK	1901010800	CFR43-CFR45
BAY CREEK	1901010900	CFR46 CFR47
DEEP CREEK	1901011000	CFR31-CFR33
CEDAR CREEK	1901011100	CFR28
MUDDY SLOUGH	1901020000	CFR25 CFR27
SOUTHPORT AREAS	1901020100	CFR22-CFR24
WALDEN CREEK	1901020101	CFR19-CFR21
NANCY'S CREEK	1901020200	CFR15-CFR17
ELIZABETH RIVER	1901020300	CFR14 CFR18
DUTCHMAN CREEK	1901020400	CFR34-CFR37
CPAL DISCHARGE CANAL	1901020500	CFR13 CFR49
CPAL INTAKE CANAL	1901020600	CFR48
BEAVERDAM CREEK	1901030000	CFR50-CFR52
CAPE FEAR RIVER BAYS	1901030100	CFR53-CFR55
SOUTH OF SNOW'S GUT	1901030200	CFR56-CFR58
NORTH OF SNOW'S CUT	1901050000	CFR59-CFR62
DREDGED AREAS	1901050001	DD1
CREEKS	1901050100	CFR8
LILLIPUT CREEK	1901050200	CFR10-CFR12 CFR63-CFR70
TOWN CREEK	1901050300	CFR4 CFR5 CFR71-CFR80
MALLORY CREEK	1901050400	CFR3 CFR6 CFR7 CFR9 CFR81-CFR87
BENARD CREEK	1901050500	CFR88
MOTT CREEK	1901050600	CFR89 CFR90
CAPE FEAR RIVER, WILMINGTON AND ABOVE	1902000000	CFR91 CFR92
POOLS	1902010000	CFR93
INDIAN CREEK	1902010100	CFR94
LIVINGSTON CREEK	1902010101	CFR1

WATER

STATIONS	CODE	STATIONS	CODE
FOOL 2	1902010000	TURNBULL CREEK	1902010001
FOOL 3	1902010002	UPPER FOOL	1902010003
BRUNSWICK RIVER	1902010004	BRUNSWICK RIVER	1902010005
NORTHEAST CAPE FEAR RIVER	1902010006	NORTHEAST CAPE FEAR RIVER	1902010007
SMITH CREEK TO LAKE PERRY	1902010008	SMITH CREEK TO LAKE PERRY	1902010009
LAKE PERRY TO GROOM'S BRIDGE	1902010010	LAKE PERRY TO GROOM'S BRIDGE	1902010011
GROOM'S BRIDGE TO ABOVE GOSHEN S	1902010012	GROOM'S BRIDGE TO ABOVE GOSHEN S	1902010013
BLACK RIVER	1902010014	BLACK RIVER	1902010015
BELOW HWY 210	1902010016	BELOW HWY 210	1902010017
LYON CREEK	1902010018	LYON CREEK	1902010019
MOORE'S CREEK	1902010020	MOORE'S CREEK	1902010021
COLLY CREEK	1902010022	COLLY CREEK	1902010023
HWY 210 TO HWY 53	1902010024	HWY 210 TO HWY 53	1902010025
SOUTH RIVER	1902010026	SOUTH RIVER	1902010027
BELOW HWY 701	1902010028	BELOW HWY 701	1902010029
ABOVE DURR	1902010030	ABOVE DURR	1902010031
HWY 701 TO DURR	1902010032	HWY 701 TO DURR	1902010033
HWY 53 TO IVANHUE	1902010034	HWY 53 TO IVANHUE	1902010035
ABOVE IVANHUE	1902010036	ABOVE IVANHUE	1902010037
SIX RUNS CREEK	1902010038	SIX RUNS CREEK	1902010039
YELLOW BANKS TO LOCKWOOD'S FOLLY INLET	2000000000	YELLOW BANKS TO LOCKWOOD'S FOLLY INLET	2000000001
LOCKWOOD'S FOLLY RIVER	2000000002	LOCKWOOD'S FOLLY RIVER	2000000003
CROSS ROCK	2000000004	CROSS ROCK	2000000005
SANDSHOAL	2000000006	SANDSHOAL	2000000007
GALLOWAY FLATS	2000000008	GALLOWAY FLATS	2000000009
DRUM SLOUGH	2000000010	DRUM SLOUGH	2000000011
SPRING BRANCH	2000000012	SPRING BRANCH	2000000013
DAVIS CREEK AREA	2000000014	DAVIS CREEK AREA	2000000015
IWW	2000000016	IWW	2000000017
LOCKWOOD'S FOLLY RIVER TO SHALLOTTE INLET	2100000000	LOCKWOOD'S FOLLY RIVER TO SHALLOTTE INLET	2100000001
SHALLOTTE RIVER	2100000002	SHALLOTTE RIVER	2100000003
GIBBS CREEK	2100000004	GIBBS CREEK	2100000005
BOONS ISLAND	2100000006	BOONS ISLAND	2100000007
SAUCEPAN CREEK	2100000008	SAUCEPAN CREEK	2100000009
IWW	2100000010	IWW	2100000011
SHALLOTTE INLET TO LITTLE RIVER INLET	2100000012	SHALLOTTE INLET TO LITTLE RIVER INLET	2100000013
TUBB'S INLET	2100000014	TUBB'S INLET	2100000015
EASTERN CHANNEL	2100000016	EASTERN CHANNEL	2100000017
SOLS CREEK	2100000018	SOLS CREEK	2100000019
SUNSET BEACH	2100000020	SUNSET BEACH	2100000021
CAUSEWAY DITCH	2100000022	CAUSEWAY DITCH	2100000023
FOX CREEK	2100000024	FOX CREEK	2100000025
BLANE CREEK	2100000026	BLANE CREEK	2100000027
SALTFOILER CREEK	2100000028	SALTFOILER CREEK	2100000029
BONAFARTE CREEK	2100000030	BONAFARTE CREEK	2100000031
DEAD RIVER	2100000032	DEAD RIVER	2100000033
LITTLE RIVER	2100000034	LITTLE RIVER	2100000035
CALABASH CREEK	2100000036	CALABASH CREEK	2100000037
OLD CHANNEL	2100000038	OLD CHANNEL	2100000039
IWW	2100000040	IWW	2100000041
BRICKS LANDING	2100000042	BRICKS LANDING	2100000043
CHESAPEAKE BAY	5000000000	CHESAPEAKE BAY	5000000001
AREAS WITHIN CHESAPEAKE BAY PROPER	5000000002	AREAS WITHIN CHESAPEAKE BAY PROPER	5000000003
BELOW TRE BAY BRIDGE TUNNEL	5000000004	BELOW TRE BAY BRIDGE TUNNEL	5000000005

CFR95-CFR99
 CFR92-NE1-NE3 NES-NE7-NE10-NE20
 NE31-NE30
 NE31-NE32-NE34-NE39

LFR1-LFR20

DC1-DC6
 IMM47-IMM52

SR1-SR5
 SC1-SC4
 RI1-RI3
 SC1-SC5
 IMM53-IMM61

TU1-TU6
 EC1-EC5
 SB1-SB2

SB1-SB7
 SB4-SB12
 SB5-SB13-SB14
 SB2-SB8-SB9
 SB3-SB10-SB11
 SB5-SB15-SB17
 LR1-LR3
 CR1-CR5
 OL1-OL3
 IMM62-IMM71

WATER

CODE STATIONS

BAY BRIDGE TUNNEL TO VA/MD LINE	500020000
VA/MD LINE TO BAY BRIDGE	500030000
ABOVE BAY BRIDGE	500040000
LYNNHAVEN BAY	500100000
BROAD BAY	500110000
LITTLE CREEK	500120000
JAMES RIVER	500130000
BACK RIVER	500140000
YORK RIVER	500150000
MOEJACK BAY	500160000
HORN HARBOR	500170000
PIANKATANK RIVER	500180000
RAPPAHANNOCK RIVER	501100000
FLEETS BAY	501150000
DIVIDING CREEK	501200000
INGRAM BAY	501250000
LITTLE WICOMICO RIVER	501300000
POJOMAC RIVER	502000000
PATUXENT RIVER	502050000
HERRING BAY	502100000
SOUTH RIVER	502150000
SEVERN RIVER	502200000
MAGOTHY RIVER	503000000
PATAFSCO RIVER	503050000
BACK RIVER	503100000
MIDDLE RIVER	503150000
SENECA CREEK	503200000
SALTPETER CREEK	503250000
GUNPOWDER RIVER	504000000
BUSH RIVER	504050000
ROMNEY CREEK	504100000
SUSQUEHANA RIVER	504150000
NORTHEAST RIVER	504200000
ELK RIVER	505000000
CHESAPEAKE AND DELAWARE CANAL	505010000
BOHENIA RIVER	505020000
SASSAFRAS RIVER	505030000
STILL POND	505040000
WORTON CREEK	505050000
FAIRLEE CREEK	505060000
SWAN CREEK	505070000
CHESTER RIVER	505080000
EASTERN BAY	505090000
CHOPTANK RIVER	505100000
TRIPPE BAY	505110000
LITTLE CHOPTANK RIVER	505120000
TAR BAY	505130000
TANGIER SOUND	505140000
FISHING BAY	505150000
NANTICOKE RIVER	505160000
MONIE BAY	505170000
WICOMICO RIVER	505180000
MANOKIN RIVER	505190000
BIG ANNEHESSLY RIVER	505200000
LITTLE ANNEHESSLY RIVER	505210000

APPENDIX C: GEAR CODES

Due to common usage, English units should be used for descriptive parameters unless metric units are specified for the gear (e.g. plankton nets). Mesh size must be in bar units not stretch units and reflect the opening in the mesh.

The presence or absence of such things as cull rings will be denoted as a zero if not present and the number one if present.

Bait can be classified as follows; specific codes can be added later.

- A. natural, unclassified
- B. unnatural, unclassified

CODE	GEAR	DESCRIPTIVE PARAMETERS
100	fixed gear, unclassified	
110	traps and pots, unclassified	
111	crab pot, unclassified	number of culling rings, size of culling rings
112	crab pot, with outside cage	number of culling rings size of culling rings
114	eel pot, unclassified	size, mesh, bait
115	eel pot, cylindrical	size, mesh, bait
116	eel pot, rectangular	size, mesh, bait
117	catfish pot	size, mesh, bait
118	fish trap	size, funnel size, number of pots
119	lobster trap	size, , bait
120	shrimp traps	size, mesh, bait
130	pound net	length of lead, pound mesh size, number of pounds
135	fyke net	length of lead, mesh size, funnel size
140	hoop net	hoop size, mesh size, funnel size

APPENDIX C (continued)

CODE	GEAR	DESCRIPTIVE PARAMETERS
150	channel net	headrope length, body mesh size, bag mesh size
200	gill net, unclassified	length, mesh size, depth
210	150 ft. floating, drifting, monofilament gill net, with 3 panels of varying mesh size	mesh size of: panel 1, panel 2, panel 3
211	150 ft. floating, anchored, monofilament gill net with 3 panels of varying mesh size	mesh size of panel 1, panel 2, panel 3
212	monofilament gill net floating anchored with variable length panels of variable mesh size	length, number of panels, depth
213	experimental gill net	length, min. mesh size, max. mesh size
220	monofilament gill net sink, anchored	length, mesh size, depth
222	multifilament gill net, sink, anchored	length, mesh size, depth
230	monofilament gill net, floating, drifting	length, mesh size, depth
232	multifilament gill net, floating, drifting	length, mesh size, depth
240	monofilament gill net sink, drifting	length, mesh size, depth
242	multifilament gill net, sink, drifting	length, mesh size, depth
245	monofilament gill net, floating, anchored	length, mesh size, depth
247	multifilament gill net, floating, anchored	length, mesh size, depth
250	drop net	length, mesh size, depth

APPENDIX C (continued)

CODE	GEAR	DESCRIPTIVE PARAMETERS
260	trammel net	length, mesh size of outer panels, mesh size of inner panels
300	seines, unclassified	Those seines with bags of different mesh sizes than the bodies must be given separate gear codes based on bag mesh size
310	bag seines	length, mesh, depth
311	knitted bag seine, bag mesh size = 1/8 inch	length, mesh, depth
320	haul seine	length, mesh, depth
330	flat seine	length, mesh, depth
340	beach seine	length, mesh, depth
351	Division's long haul	length, wing net mesh size, back net mesh size
352	commercial long haul	length, wing net mesh size, back net mesh size
353	swipe net	length, wing net mesh size, back net mesh size
360	purse seine	length, depth mesh
371	cast nets	size (spread diameter) mesh, amount of weight
380	herring basket (dipnet)	size, mesh
382	bow net	size, mesh
384	fight net	size, mesh
386	lift net	size, mesh
400	lines, unclassified	length, no. of hooks, bait
410	long line, unclassified	length, no. of hooks, bait
411	long line, surface	length, no. of hooks, bait
412	deep line (bottom)	length, no. of hooks, bait

APPENDIX C (continued)

413	vertical drift line	length, no. of hooks, bait
415	trotline	length, no. of hooks, bait
420	hook and line, unclassified	depth of hook, number of lines fished, bait
421	float fishing	depth of hook, number of lines fished, bait
422	trolling	depth of hook, number of lines fished, bait
423	midwater fishing	depth of hook, number of lines fished, bait
424	bottom fishing	number of hooks, number of lines fished, bait
440	handline	depth of hook, number of lines fished, bait
500	trawl, unclassified	headrope length, body mesh size tailbag mesh size
510	balloon trawl, unclassified	headrope length, body mesh size tailbag mesh size
515	DAN MOORE midwater trawl	headrope length, body mesh size tailbag mesh size
530	semi-balloon trawl unclassified	headrope length, body mesh size tailbag mesh size
531	Carolina wing trawl	headrope length, body mesh size tailbag mesh size
532	commercial flynet	headrope length, body mesh size tailbag mesh size
534	Irish 3-bridle trawl	headrope length, body mesh size tailbag mesh size
535	NCSU semi-balloon trawl	headrope length, body mesh size tailbag mesh size
536	Division's semi-balloon trawl	headrope length, body mesh size tailbag mesh size

APPENDIX C (continued)

CODE	GEAR	DESCRIPTIVE PARAMETERS
538	Cobb trawl	headrope length, body mesh size tailbag mesh size
550	flat trawl, unclassified	headrope length, body mesh size tailbag mesh size
552	Yankee trawl	headrope length, body mesh size tailbag mesh size
553	offshore flounder trawl	headrope length, body mesh size tailbag mesh size
554	trynet	headrope length, body mesh size tailbag mesh size
556	Division's stock assessment trawl, knotted throughout	headrope length, body mesh size tailbag mesh size
558	heavily chained Division stock assessment trawl	headrope length, body mesh size tailbag mesh size
560	Division's shrimp trawl (DAN MOORE)	headrope length, body mesh size tailbag mesh size
570	commercial shrimp trawl	headrope length, body mesh size tailbag mesh size
572	commercial scallop trawl	headrope length, body mesh size tailbag mesh size
574	commercial crab trawl	headrope length, body mesh size tailbag mesh size
575	commercial peeler crab trawl	headrope length, body mesh size tailbag mesh size

Gear codes in the 600 series will use metric units to describe gear parameters.

600	plankton net, unclassified	opening diameter, mesh size depth fished
605	standard conical plankton net	opening diameter, mesh size depth fished
610	Wisconsin plankton net	opening diameter, mesh size, depth fished

APPENDIX C (continued)

CODE	GEAR	DESCRIPTIVE PARAMETERS
620	Juday plankton trap	opening diameter, mesh size, depth fished
630	bongo net	opening diameter, mesh size, depth fished
640	Clarke Bumpus	opening diameter, mesh size, depth fished
645	Tucker trawl	opening diameter, mesh size, depth fished
650	Neuston net	opening diameter, mesh size, depth fished
700	dredge or grab, unclassified	width, mesh size, weight
713	scallop dredge (can be towed only one way)	width, mesh size, weight
715	tumbler dredge	width, mesh size, weight
720	Quahog dredge (Fall R.)	size, teeth number, weight
730	Peterson grab	size
740	Eckman dredge	size
745	scrape	size, mesh size
746	suction pump	head size, bag mesh size
750	hydraulic gear, unclassified	
754	oyster dredge	length of toothbar, weight
758	escalator dredge, clam head	
762	escalator dredge, seed oyster harvester	
766	patent tongs	length of toothbar

APPENDIX C (continued)

CODE	GEAR	DESCRIPTIVE PARAMETERS
770	inboard clam kicker with clam net	headrope length, boat draft
771	outboard clam kicker	headrope length, boat draft
800	hand gear, unclassified	
805	hand harvest	
810	rake, unclassified	
811	Jersey rake	
812	pea digger rake	
815	bull rake	toothbar length, teeth number
820	basket rake	
830	hand tongs	
835	gig	
Miscellaneous gear		
911	ichthyocides	
912	explosives	
920	night light	
925	camera	
926	diver observations and/or collections	
927	spear gun	
940	electric shocker	voltage out, pulse width, frequency
950	submersible	
960	fish wheel	basket size
999	unknown	

APPENDIX D: BOTTOM TYPES

All the programs except Dan Moore will use the first column to denote sediment size and the second to denote bottom composition.

Column 80: Sediment Size

Size definitions:

category	size (mm)
1. gravel	4-64
2. coarse sand	1/2-4
3. fine sand	1/16-1/2
4. coarse silt	1/64-1/16
5. "clay"	1/4096-1/64

The primary sediment size should denote the modal class of sediments according to Ingram (1965). The secondary sediment size should include those sizes in large enough amounts to affect the main name of the sediment. If actual sediment sizes are recorded, use the following codes.

Primary sediment size: Secondary sediment size

- A. gravel
- B. gravel:coarse sand
- C. gravel:fine sand
- D. gravel:coarse silt
- E. gravel:clay
- F. coarse sand
- G. coarse sand:gravel
- H. coarse sand:fine sand
- I. coarse sand:coarse silt
- J. coarse sand:clay
- K. fine sand
- L. fine sand:gravel
- M. fine sand:coarse sand
- N. fine sand:coarse silt
- O. fine sand:clay
- P. coarse silt
- Q. coarse silt:gravel
- R. coarse silt:coarse sand
- S. coarse silt:fine sand
- T. coarse silt:clay
- U. clay
- V. clay:gravel
- W. clay:coarse sand
- X. clay:fine sand
- Y. clay:coarse silt

APPENDIX D (continued)

If the sediment size is determined in the field or not quantified, alternate sediment size codes should be used.

- 0. cemented hard bottom or rock
- 1. hard sand
- 2. soft mud
- 3. hard mud
- 4. clay
- 5. silt
- 6. muddy sand
- 7. sandy mud
- 8. sand
- 9. mud

Column 81: Bottom Composition

The following codes will be used to denote the general bottom composition (excluding the size of the sediments).

- A. shell
- B. grass
- C. algae
- D. detritus
- E. sponge
- F. coral
- G. shell, grass
- H. grass, algae
- I. shell, grass, algae
- J. shell, algae
- K. grass, detritus
- L. grass, algae, detritus
- M. shell, detritus
- N. cinder

The Dan Moore programs will continue using their codes in columns 80 and 81. They are:

- BD boulders
- CL clay
- CO coral
- GL gravel
- GR grass
- MD mud
- ML marl
- OZ ooze
- RK rock
- SA sand
- SH shell
- SP sponge

APPENDIX E: WATER LEVEL OR SEA STATE

Tides-lunar

- A. early ebb
- B. mid ebb
- C. late ebb
- D. ebb slack
- E. early flood
- F. late flood
- G. mid flood
- H. flood slack
- X. ebb (low)
- Y. flood (high)
- Z. slack

Wind Tides and River Stage

- I. high
- J. normal
- K. low
- L. flood
- M. ice

Sea State - Beaufort Scale (probable wave height, in feet, given in parentheses). Record the chop, not swell, when chop occurs.

- N. sea like mirror (0)
- O. ripples with appearance of scales; no foam crests (1/4)
- P. small wavelets, crests of glassy appearance, not breaking (1/2)
- Q. large wavelets, crests begin to break, scattered whitecaps (2)
- R. small waves, becoming longer, numerous whitecaps (4)
- S. moderate waves, taking longer form, many whitecaps (6)
- T. larger waves forming, whitecaps everywhere, more spray (10)
- U. moderate swell

APPENDIX F: ALTERATION STATE AND ALLOWED FISHING ACTIVITY

ALTERATION STATE

1. no alteration
2. closed due to pollution
3. channelized
4. channelized and closed due to pollution
5. sample site unaltered but alterations in nearby environment could affect site.

ALLOWED FISHING ACTIVITY - record by most severe bottom disturbing activity

- A. no commercial fishing activity allowed
- B. crab or shrimp trawling allowed
- C. dredging allowed
- D. hydraulic dredging or clam trawling, kicking allowed
- E. trawling, dredging, non bottom disturbing activities allowed
- F. trawling and hydraulic dredging allowed
- G. dredging and hydraulic dredging allowed
- H. all fishing activities allowed
- I. non bottom disturbing fishing activities allowed
- J. all activities except trawling, hydraulic dredging allowed, clam kicking allowed.

APPENDIX G: SPECIES CODES

The following are the National Oceanic Data Center (NODC) codes. Many freshwater species are not listed but a request has been made to assign codes to these species. Should you collect a species without a code leave the species code field blank to be filled in when a code is assigned.

Please note that the Chondrichthyes taxa have been given the same first order code as the lower Osteichthyes (87). Record Chondrichthyes (8701-8716) as 9701-9716.

Do not assign codes to any unlisted species. The purpose of using NODC codes is for national standardization. We will request unlisted codes from the NODC.

***** VERTEBRATA *****
***** CHONDRICHTHYES *****
***** OSTEICHTHYES *****

ALEWIFE	8747010105	ALOSA PSEUDOHARENGUS
AMERRJACKS	8835280800	SERIOLA
AMERRJACK, GREATER	8835280801	SERIOLA DUMERILII
ANCHOVIES	8747020200	ANCHOVA
ANCHOVY, BAY	8747020202	ANCHOVA MITCHILLI
ANCHOVY, STRIPED	8747020201	ANCHOVA HERSETUS
BARBFISH	8826010605	SCORPAENA BRASILIENSIS
BARBACUDA	8837010100	SPHYRAENA
BARBACUDA, GREAT	8837010104	SPHYRAENA BARRAUDA
BARBELEFISH	8851010201	HYPEROGLYPHE PERSEFORNIS
BASS, LARGEMOUTH	8835160802	MICROPTERUS SALMONDES
BASS, STRIPED	8835020102	MORONE SAXATILIS
BASS, YELLOWFIN	8835020702	ANTHIAS NICHOLSI
BIGEYES	8835170100	FRIACANTHUS
RIGEYE	8835170101	FRIACANTHUS ARENATUS
RIGEYE	8925170201	FRISTIGENYS ALTA
BLENNIES	8842010000	BLENNIDAE
BLENNY, BAY	8842010501	HYPLEUROCHILUS SEMINATUS
BLENNY, FEATHER	8842010201	HYPSOBLENNIUS HEINTZI
BLENNY, STRIPED	8842010301	CHASMODES ROSSETANUS
BLUEFISH	8835290101	POMATOMUS SALTATRIX
BLUEGILL	8835160504	LEPONIS MACROCHIRUS
BLUE RUNNER	8835280306	CARANX CRYSCUS
BONITA, ATLANTIC	8850030202	SARDA SARDA
BOWFIN	8734010101	AMIA CALYA
BULLHEAD, BLACK	8770202006	ICTALURUS MELAS
BULLHEAD, BROWN	8770202004	ICTALURUS NEBULOSUS
BULLHEAD, SNAIL	8770202007	ICTALURUS BRUNNEUS
BULLHEAD, YELLOW	8770202003	ICTALURUS NATALIS
BUMPER	8835280401	CHLOROSOMBERUS CHRYSURUS
BURRFISH, STRIPED	8841030101	CHILMYCTERUS STROBEPTI
BUTTERFISH	8851030103	PEPELIUS TRIACANTHUS
BUTTERFLYFISHES	8835550100	CHAETODON
BUTTERFLYFISH, SPOTFIN	8835550101	CHAETODON OCELLATUS
CARP	8776010101	CYPRINUS CARPIO
CATFISHES	8770200000	ICTALURIDAE
CATFISHES	8770201000	ICTALURUS
CATFISH, BLUE	8770201002	ICTALURUS FURCATUS
CATFISH, CHANNEL	8770201005	ICTALURUS FUNCTORIUS
CATFISH, HARDHEAD	8771180202	ARIUS FELIS
CATFISH, WHITE	8770201001	ICTALURUS CATUS
CHUSSUCKER, CREEK	8776040302	ERIMYZON DELONGUS
CHUSSUCKER, LAKE	8750040301	ERIMYZON SUCCETTA
CORBIA	8935260101	RACHYCENTRON CANADUM
COD, ATLANTIC	8791030402	GADUS MORHUA
CONY	8835020802	EPINEPHELUS (=CERHALOPHOLIS) FULVUS
CORNETFISH, BLUESPOTTED	8819020101	FISTULARIA TABACARIA
COWFISH, SCRAMLED	8860030201	LACTOPHARYS QUADRICORNE
CRAPPIE, BLACK	8835160702	POMOXIS NIGROMACULATUS
CRAPPIE, WHITE	8835160701	POMOXIS ANNULARIS
CREOLE-FISH	8835021701	PARANTHIAS FURCIFER
CROAKER, ATLANTIC	8835440701	MICROPSCORIAS UNOULATUS

BUCK-EEL	8792010290	OPHIDIUM
BURK-EEL, BANK	8792010303	OPHIDIUM HOLBROOKI
BURK-EEL, CRESTED	8792010305	OPHIDIUM WELSHI
BURK-EEL, STRIPED	8792010391	OPHIDIUM (RISPOLA) HASTINGIUM
BUTLASSFISH, ATLANTIC	8850020204	TRICHURUS LEPTURUS
BARTERS	8835200100	ETHIOSTOMA
BARTER, SANCHEEK	8835200104	ETHIOSTOMA SERRESEIUM
BARTER, SWAMP	8835200101	ETHIOSTOMA FUSIFORME
BARTER, TESSELATED	8835200102	ETHIOSTOMA ALPHEAI
BOCTORFISH	8849010102	ACANTHURUS CHIRIDIS
BOGFISH, CHAIN	9708010104	SCYLIOURHUS RETIFER
BOGFISH, SMOOTH	9708020401	MUSTELUS CANIS
BOGFISH, SPINY	9710010201	SQUALUS ACANTHURUS
DOLPHIN	8835200101	CORYPHAENA HIPPIURUS
DRUMS	8835400000	SCIAENIDAE
DRUM, BLACKBAR N.SP.	8835441299	EQUITES (PARAGRES) N.SP.
DRUM, BANDED	8835440501	LAIMUS FACCIATIS
DRUM, BLACK	8835440301	POGANIAS CROMIS
DRUM, RED (CHANNEL BASS)	8835440301	SCIAENUS OCELLATUS
DRUM, STAR	8835441001	STELLER LANGDELLIUS
EEL, AMERICAN	8741010101	ANGUILLA ROSTRATA
EEL, CONGER	8741120101	CONGER OCEANICUS
EEL, SHRIMP	8741131001	OPHICHTHUS COMPTI
EEL, SPECKLED WORM	8741130302	MYRAPHIS PUNCTATUS
ELCIFORMS	8737000000	ELCIFORMES
FILEFISHES	8860020000	BALISTIDAE
FILEFISH, ORANGE	8860020101	ALUTERUS SCHNEBELI
FILEFISH, PLANEHEAD	8860020301	MONACANTHUS HIPPIDUS
FLIER	8835160301	CENTRARCHUS MACROPTERUS
FLOURDERS, LEFTEYE	8857000000	PLEURONECTIDEI
FLOURDERS, RIGHTEYE	8857030000	ROTHIDAE
FLOURDERS	8857040000	PLEURONECTIDAE
FLOURDERS	8857030300	PARALICHTHYS
FLOURDERS	8857030305	PARALICHTHYS OLANCUS
FLOURDERS, FOURSPOT	8857030301	ETRUPUS LROSSIUS
FLOURDERS, FRINGED	8857030302	PARALICHTHYS ALBIGNITA
FLOURDERS, GULF	8857030304	ANDALPSETTA GANDROSELLATA
FLOURDERS, OCELLATED	8857030304	PARALICHTHYS LITHOETIGMA
FLOURDERS, SOUTHERN	8857030301	PARALICHTHYS DENTATUS
FLOURDERS, SUMMER	8857042301	PSEUDOPLEURONECTES AMERICANUS
FLOURDERS, WINTER	8857040302	GLYPTOCERHALUS CYCLOGESSUS
FLOURDER, WITCH	8835020501	HYTEROPERCA MICROLEPIS
GAG	8732010101	LEPISOSTEUS OSEUS
GAG, LONGNOSE	8847010000	GORIIDAE
GORIES	8847010000	GORIIDAE
GODY, DARTER	8847010300	GORIONELLUS
GODY, FRESHWATER	8847010501	GORIONELLUS BOJOSORAI
GODY, GREEN	8847010504	GORIONELLUS SWITZELDI
GODY, NAKED	8847010702	MICROGODIUS THALASCIUS
GODY, SHARPTAIL	8847010601	GORIONOMA BOSCI
GOOSEFISH	8847010502	GORIONELLUS HASTATUS
GOOSEFISH	8786010101	LOPIIUS AMERICANUS
GROUPEE, BLACK	8835020502	MYTEROPERCA YERACI
GROUPEE, HARBLED	8835020901	EPINEPHELUS INERICI
GROUPEE, SNOWY	8835020411	EPINEPHELUS NYRATIUS
GROUPEE, RED	8835020408	EPINEPHELUS MORIO
GROUPEE, YELLOWFIN	8835020506	MYTEROPERCA VINCENOSA
GROUPEE, YELLOWWEDGE	8835020405	EPINEPHELUS FLAVILINEATUS
GROUPEE, WARSAW	8835020410	EPINEPHELUS NIGRITUS
GRUNT, WHITE	8835400102	HAERULON PLUMIERI
HAKES	8791031000	URRUPHYCIS
HAKES, CA	8791031006	URRUPHYCIS EARLII

HAKE, SILVER	8791040101	MERLUCCIIUS PHLEPS
HAKE, SOUTHERN	8791031007	UROPHYCIS FLORIDANA
HAKE, SPOTTED	8791031002	UROPHYCIS REGIA
HAKE, WHITE	8791031003	UROPHYCIS TENUI
HALIBUT	8803010261	HYCHTHALUMUS URTASTIATUS
HALIBUT	8803030103	PEPILUS ALEUTICUS
HERRINGS	8747010000	CLUPIDAE
HERRING, ATLANTIC THREAD	8747010701	OPISHORLEMA GELTUM
HERRING, BLUEBACK	8747010102	ALOSA AESTIVUS
HERRING, RIVER	8747010100	ALOSA
HIND, RED	8747010201	ETROPEUS TERES
HIND, ROCK	8835020406	EPINERHELLUS CITTATUS
HIND, SPECKLED	8835020402	EPINERHELLUS DORSALIS
HOGCHOKER	8835020404	EPINERHELLUS DEBRIDATUS
HOGFISH	8835010101	TRINectes maculatus
HOGFISH, SPOTTIN	8835010501	LACHNOLAIMUS MAYMUS
JACKS	8835280000	CARANX PULCHELLUS
JACKS	8835280000	CARANXIDAE
JACK, COTTONMOUTH	8835281701	CARANX
JACK, CREVALLE	8835280303	UKAIPIS SECURDA
JACK, HORSE-EYE	8835280304	CARANX HIPPOS
JACK, YELLOW	8835280301	CARANX LATUS
KILLIFISHES	8804040000	CYPRINODONTIDAE
KILLIFISHES	8804040200	FUNDULUS
KILLIFISH, BANDED	8804040202	FUNDULUS DIAPHANUS
KILLIFISH, MARSH/BAYOU	8804040201	FUNDULUS
KILLIFISH, RAINWATER	8804040201	LUCANIA PARVA
KILLIFISH, STRIPED	8804040201	FUNDULUS COMPLEXTUS-PULVERTUS
KILLIFISH, WACCAMAN	8804040205	FUNDULUS MALIN
KINGFISHES	8804040205	FUNDULUS MACARENENSIS
KINGFISH, GULF	8835440002	MENTICIRRHUS
KINGFISH, NORTHERN	8835440003	MENTICIRRHUS LITTORALIS
KINGFISH, SOUTHERN	8835440001	MENTICIRRHUS SAMATLIT
LADYFISH	8738010101	MENTICIRRHUS AMERICANUS
LEATHERJACKET	8835280501	OLIGOPLETES SAURUS
LIZARDFISH, INSHORE	8762020101	SYNGNUS FOETENS
LOOKDOWN	8835280701	SELENE VOMER
MACKERELS	8850030000	SCOMERIDAE
MACKEREL, ATLANTIC	8850030500	SCOMEROMORUS
MACKEREL, CHUB	8850030301	SCOMER SCOMERUS
MACKEREL, KING	8850030501	SCOMER JAPONICUS
MACKEREL, SPANISH	8850030502	SCOMEROMORUS CAVALLA
MADTOMS	8777020200	SCOMEROMORUS MACULATUS
MADTOM, TADPOLE	8777020201	NOTURUS
MARO, SHORTFIN	8777020201	NOTURUS CYRINUS
MEMNADEN, ATLANTIC	9707040501	ISURUS OXYRINCHUS
MIDSHIPMAN, ATLANTIC	8747010401	BREVORTILLA TYRANNUS
MIDNOMS	8783010108	PORCUTHYS PLECTRODON
MIDNOMS	8776010000	CYPRINIDAE
MIDNOMS	8776011100	NOTROPIS
MINKOW, EASTERN SILVERY	8776010201	HYDRODONTUS REGIUS
MINKOW, SHEEPSHEAD	8804040101	CYPRINODON VARIEGATUS
MUJARRAS	8835390000	GERREIDAE
MUJARRAS, SPOIFIN	8835390101	EUCIPOSTOMUS ARGENTUS
MURRESH, ATLANTIC	8835281001	SELENE SETAFINIS
MURKAYS	8741050000	MURAEINIDAE
MURKAY	8741050504	MURAEINA ROBUSTA
MURKAY, RETICULATE	8741050502	MURAEINA FETIFERA
MUSQUITOFISH	8804080101	GAMBUSIA AFFINIS
MUSQUITOFISH, ATLANTIC	8758020101	UMBRA PYGMAEA

MULLET, STRIPED	08366010104	MULL GEMMALLUS
MULLET, WHITE	88366010102	MUGIL CURPENA
MUNNICHG	8804040263	MURILLUS HETERODITUS
NEBLEFISHES	0803020200	STRONGYLURA
NEBLEFISHES	0803020300	TYLOCURUS
NEBLEFISH, ATLANTIC	8803020201	STRONGYLURA MARTHA
NORSE SURGEON	8849010101	ACAPTORUS BATHAUS
PALOMETA	8835280903	TRACHINOTUS GOODLET
PARROTFISH, REDFIN	8839030405	SPARISOMA RUBRIFRONS
PERCHES	8835200000	PERCIDAE
PERCH, PIRATE	8781010101	APHEUROBERUS SAVANUS
PERCH, SAND	8835001002	DIPLECTRUM FERRUGINEUM
PERCH, SILVER	8835440301	EULELELLA CHRYSOMMA
PERCH, WHITE	8835020101	MORONE AMERICANA
PERCH, YELLOW	8835200201	PERCA FLAVESCENS
PERMIT	8835280902	TRACHINOTUS SALMATUS
PICKEREL	8758010100	ESOX
PICKEREL, CHAIN	8758010103	ESOX NIGER
PICKEREL, REDFIN	8758010102	ESOX AMERICANUS AMERICANUS
PIGISH	8835400201	ORTHOPRISTIS CHRYSOPTERA
PIGISH	8835430201	LAGODON RHODOPHYES
PIGISH	8835430401	DIPLODUS HOLBROOKI
PINEISH, SPOTTAIL	8820020100	SYNGNATHUS
PIPEFISHES	8830020104	SYNGNATHUS LOUISIANAE
PIPEFISH, CHAIN	8820020102	SYNGNATHUS FLORENSAE
PIPEFISH, DUSKY	8820020103	SYNGNATHUS FUSCUS
PIPEFISH, NORTHERN	8791030901	POLLACHIUS VIRIDIS
POLLACK	8835280202	ALECTIS CLARIS
POMFANO, AFRICAN	8835280901	TRACHINOTUS GAMBELINUS
POMFANO, FLORIDA	8835390201	DIAPTERUS AURATUS
POMFANO, IRISH	8835430000	SPARIDAE
PORGIES	8835430100	STERNOIDUS
PORGIES	8835430506	CALANUS HODDUSUS
PORCY, KNOBBED	8835430102	STERNOTOMUS CAPTIVUS
PORCY, LONGSPINE	8835430601	PAGRUS FABRUS
PORCY, RED	8835430505	CALANUS LEUCOSTIUS
PORCY, WHITEBONE	8861010200	SPHEROIDES
PREFERS	8861010201	SPHEROIDES SPENALEPI
PUFFER, BANDTAIL	8861010201	SPHEROIDES MACULATUS
PUFFER, NORTHERN	8835160505	LEPOMIS GIBBOSUS
PUMPKINSEED	9713070201	MYLIBRATIS FREMONTIILEI
RAY, ELLIPSOSE	9713070301	RHINOPTERA BORNATUS
RAY, COMMON	9713050202	GYMNURA MICRURA
RAY, SMOOTH BUTTERFLY	8776040401	HOXOSTOMA MACROLEPIDOTUM
REDHORSE, SHORTHEAD	8776040404	HOXOSTOMA AMERICANUM
REDHORSE, SILVER	8845010102	AMMODYTES AMERICANUS
SAND LANCE, AMERICAN	9707030101	ODONTASPIS TAUREUS
SAND TIGER	8835231202	DECAPTERUS PUNDCATULUS
SCAD, ROUND	8835020505	MYCTEROPERCA PERRAI
SCAD, ROUND	8835010402	NEOMERITRHE HERRINGWAYI
SCORPIONFISH, SPINYCHEEK	8835430101	STENOTOMUS CHRYSOOPS
SCUP	8835020000	SERRANIDAE
SEA BASSES	8835020304	CENTROPRISTIS COYURUS
SEA BASS, BANK	8835020301	CENTROPRISTIS STRIATA
SEA BASS, BLACK	8835020305	CENTROPRISTIS PILLARIELLIFICA
SEA BASS, ROCK	8820020200	HIPPICAMPUS
SEAHORSES	8820020201	HIPPICAMPUS ERECTUS
SEAHORSES, LINED	8826020100	PRIONOTUS
SEAROBINS	8826020104	PRIONOTUS TETRANOTUS
SEAROBIN, BIGHEAD	8826020120	PRIONOTUS SALMOCOLLOR
SEAROBIN, BLACKING	8826020103	PRIONOTUS SOLIDUS
SEAROBIN, LEAF		

ANCHOVINA, BRAZILIAN	8849441011	PLAUSIDIA	CHASLINA
ANCHOVINA, STRIPED	8824401012	PRIONOTUS	EVOLVUS
ANCHOVINA	8835449100	CYNOSTIOM	
ANCHOVINA, SPOTTED	8835440102	CYNOSTIOM	NERULOSUS
ANCHOVINA, NORTHERN	8837010102	SPHYAENA	KOREALIS
ANCHOVINA, AMERICAN	8747010101	ARDEIFLUS	SAXATILIS
ANCHOVINA, GIZZARD	8747010501	DOROSOMA	DEFENDENS
ANCHOVINA, HICKORY	8747010103	ALDIA	MEDICABILIS
ANCHOVINA, THREADFIN	8747010502	DOROSOMA	PERENNIS
ANCHOVINA	8702000000	CHONDRICTHES	LEUCORRHOEUS
ANCHOVINA	8702000000	SPHYNIAE	
ANCHOVINA, HAMMERHEAD	8702000000	CARCHARHINIAE	
ANCHOVINA, REQUIEM	8702000000	CARCHARHINUS	
ANCHOVINA, REQUIEM	8702000000	CARCHARHINUS	
ANCHOVINA, ATLANTIC ANGEL	8702000000	SCALATIUM	IMPERIUM
ANCHOVINA, ATLANTIC SHARPNOSE	8702000000	PHILOFRONTO	TELEOSTOMA
ANCHOVINA, BLACKTIP	8702000000	CARCHARHINUS	LINEATUS
ANCHOVINA, BULL	8702000000	CARCHARHINUS	LEUCAS
ANCHOVINA, FIRETOOTH	8702000000	APLODON	LEUCUS
ANCHOVINA, LEMON	8702000000	MUSTELUS	IMPERIUM
ANCHOVINA, SANDBAR	8702000000	CARCHARHINUS	PHILIPPI (GILBERTI)
ANCHOVINA, SILKY	8702000000	CARCHARHINUS	PHILIPPI
ANCHOVINA, THRESH	8702000000	ALPIA	VULPINA
ANCHOVINA, TIGER	8702000000	CALEDONIA	CUVIATI
ANCHOVINA	8702000000	ARCHONIA	PERIOTOPHALLUS
ANCHOVINA, COASTAL	8702000000	NOTROPIS	PETERI
ANCHOVINA, DUSKY	8702000000	NOTROPIS	CHRYSELEUCAS
ANCHOVINA, GOLDEN	8702000000	NOTROPIS	ALPINA
ANCHOVINA, HIGHFIN	8702000000	NOTROPIS	SMALYANUS
ANCHOVINA, IRONCOLOR	8702000000	NOTROPIS	ANALOSTANUS
ANCHOVINA, SATINFIN	8702000000	NOTROPIS	HODSONIUS
ANCHOVINA, SPUTTLE	8702000000	NOTROPIS	BERGONI
ANCHOVINA, SWALLOWTAIL	8702000000	NOTROPIS	MACULATUS
ANCHOVINA, TAILLIGHT	8702000000	EUCIROSTOMUS	GULA
ANCHOVINA, JENNY	8702000000	ATHERINIDAE	
ANCHOVINA	8702000000	MENIDIA	
ANCHOVINA	8702000000	MENIDIA	MENIDIA
ANCHOVINA	8702000000	MENIDIA	BERYLLINA
ANCHOVINA	8702000000	MENIDIA	KARTINICA
ANCHOVINA	8702000000	RAJA	EGLANTERIA
ANCHOVINA	8702000000	RAJA	GARIBANI
ANCHOVINA	8702000000	GORISOX	STROMBIUS
ANCHOVINA	8702000000	ELECTRIS	PISONIS
ANCHOVINA	8702000000	HALIHOEUES	BIVITTATUS
ANCHOVINA	8702000000	LUTJANUS	
ANCHOVINA	8702000000	LUTJANUS	BUCDANIELLA
ANCHOVINA	8702000000	LUTJANUS	CYANOPTERUS
ANCHOVINA	8702000000	LUTJANUS	GRISEUS
ANCHOVINA	8702000000	LUTJANUS	SYNAGRIS
ANCHOVINA	8702000000	LUTJANUS	ANALLI
ANCHOVINA	8702000000	LUTJANUS	CARPEGIANUS
ANCHOVINA	8702000000	LUTJANUS	VIVANUS
ANCHOVINA	8702000000	RHOENOPOLITES	ABGRUPPENS
ANCHOVINA	8702000000	RYPTICUS	
ANCHOVINA	8702000000	CHAETODONTES	PABER
ANCHOVINA	8702000000	LEUCOSTOMUS	XANTHURUS
ANCHOVINA	8702000000	ASTROSCOPUS	
ANCHOVINA	8702000000	ASTROSCOPUS	GUTTATUS
ANCHOVINA	8702000000	ASTROSCOPUS	Y-GRABER
ANCHOVINA	8702000000	GASTEROSTEUS	ACQUILATUS

STINGRAY	ATLANTIC	9713050400	DASYATIDAE
STINGRAY	BLUETHROUSE	9713050405	DASYATIS CARINA
STINGRAY, BLUEHEAD	REDFIN	9713050106	DASYATIS SAYI
STINGRAY, SOUTHERN	SOUTHERN	9713050104	DASYATIS GENTIANA
STINGRAY, ATLANTIC	ATLANTIC	9713050103	DASYATIS AMERICANA
SUCKERS		8776040000	ACIPENSER OXYRINCHUS
SUCKERS		8776040006	CALOSTOMIAE
SUCKERS		8776040406	HOXETIOPS
SUCKERS		8835160000	CENTRARCHIDAE
SUCKERS		8835160500	LEPOMIS
SUCKERS		8835160403	EMPERORIDAE
SUCKERS		8835160401	EMPERORIDAE
SUCKERS		8835160402	EMPERORIDAE
SUCKERS		8835160507	LEPOMIS GARGINE
SUCKERS		8835160502	LEPOMIS CYANELLUS
SUCKERS		8835160101	ACANTHARCHUS POGONIS
SUCKERS		8835160504	LEPOMIS AGRITUS
SUCKERS		8835160509	LEPOMIS KLOBLOPPERUS
SUCKERS		8780010101	CHLOGASTER CORPORA
SUCKERS		8780020201	MEGALOPS ATLANTICUS
SUCKERS		8839010101	TAUTOGA ONITIS
SUCKERS		8838010101	POLYDACTYLUS OXYRINCHUS
SUCKERS		8835610405	TILAPIA ZILLI
SUCKERS		8835220000	MALACANTHIDAE
SUCKERS		8835220201	LOPHOLATIUS CHAMAELONTICEFUS
SUCKERS		8835220104	GAULATIUS METOPOS
SUCKERS		8835220301	MALACANTHUS FLUMINIS
SUCKERS		8780010201	OPSONUS TAU
SUCKERS		8835400101	HAEMULON AUREOLINEATUM
SUCKERS		8830020101	SYMPHURUS FLAGRUSA
SUCKERS		8804040218	FURCILLUS LINDOLATUS
SUCKERS		8860020201	BALISTES CAPRIBUS
SUCKERS		8860020202	BALISTES VETULA
SUCKERS		8835380101	LOBOTES SERRINARCHUS
SUCKERS		8850030404	THUNNUS ATLANTICUS
SUCKERS		8850030101	EUTHYNNUS PELAGIS
SUCKERS		8850030403	THUNNUS ALBACARS
SUCKERS		8850030102	EUTHYNNUS ALLETERATUS
SUCKERS		8735000000	OSTEICHTHYES TELEOSTEI
SUCKERS		8835000000	ACANTHOPTERUS PERCIFORMES PERCIFORMES
SUCKERS		8830030201	ACANTHOPTERUS COLANDERI
SUCKERS		8835160503	LEPOMIS CHLORUS
SUCKERS		8835440104	CYNOGSSION REGALIS
SUCKERS		8857030100	CITHARICHTHYS
SUCKERS		8857030110	CITHARICHTHYS SPLOPTEUS
SUCKERS		8857030109	CITHARICHTHYS MACRORUS
SUCKERS		8857030401	SCOPHTHALMUS AQUOSUS

***** REPTILIA *****

TURTLES		9002000000	REPTILIA ANAPSIDA
TURTLE, DIAMONDBACK		9002030301	MALACLEMYS TERRAPIN
TURTLE, LOGGERHEAD		9002040101	CARETTA CARETTA
TURTLE, YELLOWBELLY		9002030405	CHRYSSEMYD SCRIPITA
TURTLE		9002010101	CHELYDRA SERPENTINA

***** INVERTEBRATES *****

***** COELENTERATA *****

JELLYFISHES 3700000000 Cnidaria
JELLY BOMBS 3737050101 Stomolophus meleagris

***** MOLLUSCA *****

ARK, BLODD 5506010202 Anadara cyalis
BIVALVES 5515000000 Eivalvia veneroida
BUTTERCUP 5515010501 Anodonta alba
CHIONE, CROSS-BARRED 5515471503 Chione cancellata
CLAM, LITTLE SURF(DUCK) 5515250303 Multina lateralis
CLAM, SURF 5515250102 Spisula solidissima
MACOMA, BALTIC 5515310116 Macoma balthica
MONSHELL, LOBED 5103760407 Polinices duplicatus
OCTOPI 5700102000 Octopus
OCTOPUS, COMMON ATL. 5700102002 Octopus vulgaris
OYSTER, COMMON 5510020102 Crassostrea virginica
QUAHOG, NORTHERN 5515471101 Mercenaria mercenaria
QUAHOG, SOUTHERN 5515471102 Mercenaria campechensis
RANGIA, WEDGE 5518250401 Rangia cuneata
SCALLOP, BAY 5509050001 Argopecten irradians
SCALLOP, CALICO 5509051201 Argopecten gibbus
SCALLOP, SEA 5509050901 Placopecten magellanicus
SLUGS, EEL GRASS 5123030100 Elysia
SQUIDS 5700000000 Mollusca cephalopoda
SQUID, ATLANTIC 5706010102 Loligo pealii
SQUID, NORTHERN, SHORTFIN 5707150301 Illex illecebrosus
SQUID, THUMBSTALL 5706010201 Lollicureula brevis
TULIP SHELL, BANDED 5105090203 Fasciolaria iuntheria
WHELKS 5105070100 Busycon

***** ARTHROPODA *****

ARTHROPODA, MEROSTOMATA 5802000000 Arthropoda merostomata
CRAB, HORSESHOE 5802010101 Limulus polyphemus

ARTHROPODA, CRUSTACEA

CRABS 6100000000 Arthropoda crustacea
CRAB-CALAPPID 6189000000 Decapoda brachybrachia
CRABS-CANCER 6189020101 Calappa flamma
6189030100 Cancer
CRAB-CANCER, ROCK 6189030100 Cancer
CRAB-CANCER, JONAH 6189030107 Cancer borealis
CRAB-MAJIDAE, CORAL 6187012501 Mithrax hispidus
CRABS-MAJIDAE, PENTAGON 6187020100 Partenite
CRABS-FINNOTHERID, PEA 6187010900 Liddina
CRABS-FORTUNID 6189060200 Pinnotheres
CRABS-FORTUNID 6189010000 Porunidae
CRABS-FORTUNID 6189010300 Callinectes
CRABS-FORTUNID, BLUE 6189010301 Callinectes sapidus
CRABS-FORTUNID, HANGINAL 6189010305 Callinectes marginatus
CRABS-FORTUNID, ORNATE 6189010304 Callinectes ornatus
CRABS-FORTUNID 6189010302 Callinectes stalius
CRABS-FORTUNID, LADY 6189010500 Ovalipes
CRABS-FORTUNID, PORTUNUS 6189010502 Ovalipes ocellatus
CRABS-FORTUNID 6189010600 Portunus
CRAB-FORTUNID 6189010601 Portunus gibbesi
CRAB-FORTUNID 6189010602 Portunus sayi

CRABS-XANTHID, MUD 6189010604 PUNILONDA SPINIGRUS
 CRABS-XANTHID, STONE 6189020200 XANTHIDAE
 CRABS-XANTHID 6189021701 MENEFRE HERCENARIA
 CRABS-XANTHID 6189020700 NEOPANOE
 CRABS-XANTHID 6189020701 NEOPANOE TEXANA
 CRABS-XANTHID 6189020200 PANOEUS
 CRAB-XAN, HEBST, PANOEUS 6189020801 PANOEUS HERCSTII
 CRAYFISHES 6181020100 CAMARUS
 SHRIMP-AMPHIPODA 6169000000 AMPHIPODA
 SHRIMP-CARIDEAN, ARROW 6179161501 TOZIANA CARILLIUS
 SHRIMP-CAR, EDATER FRAMN 6179110201 HAPTOCARIDIDAE
 SHRIMP-CARIDEAN 6179160000 HIRTOXYTIDAE
 SHRIMP-CARIDEAN, GRASS 6179160000 HIRTOXYTIDAE
 SHRIMP-CARIDEAN 6179220100 CRAB-LIN
 SHRIMP-CAR, (FLATHD) SAND 6179220103 CRAB-LIN SEPTIMUSA
 SHRIMP-CAR, (GRASS) SHORE 6179110300 PALALMONETES
 SHRIMP-CARIDEAN 6179110301 PALALMONETES TETTERVIGUS
 SHRIMP-CARIDEAN 6179110302 PALALMONETES FOYTO
 SHRIMP-CARIDEAN 6179110303 PALALMONETES VON GARRIS
 SHRIMP-CARIDEAN 6179110303 PERILIMNES LONGICARPATUS
 SHRIMP-CARIDEAN, SNAPPING 6179140100 ALPHEUS
 SHRIMP-CAR, BIG CLAW-SNAP 6179140101 ALPHEUS HETEROMYLLIS
 SHRIMP-CARIDEAN 6153000000 PERACARIDEA HYCINACCA FOSIDY
 SHRIMP-MYSID 6153011508 NEDYSIS AMERICANA
 SHRIMP-PENAEID, BROWN 6177010101 PENAEUS AZTECUS
 SHRIMP-PENAEID, PINK 6177010102 PENAEUS DUORUMI
 SHRIMP-PENAEID, ROCK 6177010401 SICYONIA BREVIROSTRIS
 SHRIMP-PENAEID, WHITE 6177010103 PENAEUS SETIFERUS
 SHRIMP-PENAEID 6177020101 ACETES AMERICANUS
 SHRIMP-PENAEID 6177010501 PARAPENAEUS LONGIROSTRIS
 SHRIMP-PENAEID 6177010100 PENAEUS
 SHRIMP-PENAEID 6177010201 TRACHYPENAEUS CONSTRICTUS
 SHRIMP-STomatopoda, MANTIS 6191010101 SCILLA EMPUSA

***** ECHINODERMATA *****

BRITTLE STARS 6129040000 OPHIOTHRECIDAE
 SEA URCHINS, SAND DOLLARS 6136000000 ECHINOIDEA
 SEA URCHIN, SHORT-SPINED 6148020101 LYTECHINUS VARIEGATUS

APPENDIX J: TAG CODES

CODE DESCRIPTION

- A. FT-1 Dart tag
- B. FT-2 Dart tag
- C. FT-4 Cinch-up spaghetti tag
- D. FM-66 Dart tag
- E. "Same Reeves Original" Dart tag
- F. FD-67 Anchor tag
- G. FD-68B and FD-68BC Anchor tag
- H. FTSL-73 Shrimp tag
- I. FTL-69 Lobster tag
- J. FD-67M
- K. Carapace tag 1/4 x 1 3/4 inch
- L. Floy plastic sleeve on wire
- M. Peterson disc on wire
- N. Peterson disc 1/2 inch diameter
- O. Peterson disc 3/4 inch diameter
- P. Carlin disc tag
- Q. Biological dyes

APPENDIX B-2: BIOFORM - 00

There is no layout file for this page as it is a start up page. However, the following information is stored on this page:

Autoload "display" default mode	FC	
Autoload "send" default mode	FX	
Autoload "print" default mode	FV	
Number of arithmetic registers	2	
Number of memory cells	10	Cell used to store:
	<u>Cell</u>	<u>Size</u>
	M1	2
	M2	5
	M3	2
	M4	10
	M5	1
	M6	3
	M7	2
	M8	10
	M9	10
	M10	10
		YEAR
		COLLECTION NO.
		REPLICATE
		SPECIES
		STATUS
		LINE NUMBER
		AGE
		extra
		extra
		extra

APPENDIX B-1:

COMM-STOR III CONFIGURATION PARAMETERS USED FOR DATA ENTRY

- 1: ASCII DATA? (YES)
- 2: SEND EOT AFTER EACH MODEM REQUEST? (NO)
- 3: END OF LINE CHARACTER ((CR))
- 4: SYSTEM TO ADD LINE FEED AFTER CARRIAGE RETURN? (YES)
- 5: LINE FEED CHARACTER ((LF))
- 6: CARRIAGE RETURN CHARACTER FOR SYSTEM MESSAGES ((CR))
- 7: LINE FEED CHARACTER FOR SYSTEM MESSAGES ((LF))
- 8: END OF TEXT CHARACTER ((ETX))
- 9: TRANSMIT "END OF TEXT" CHARACTER? (NO)
- 10: TRANSMIT "END OF TRANSMISSION" CHARACTER? (NO)
- 11: "END OF TRANSMISSION" CHARACTER ((^D))
- 12: "RESET" CHARACTER ((^T))
- 13: SPACE CHARACTER FOR SYSTEM MESSAGES ()
- 14: FIRST CHARACTER OF ESCAPE SEQUENCE ((ESC))
- 15: PARITY ERROR SYMBOL (?)
- 16: "STOP SEND/START SEND" OPTION (8)
- 17: "STOP SEND" CHARACTER (TO COMPUTER) ((^S))
- 18: "START SEND" CHARACTER (TO COMPUTER) ((^Q))
- 19: "HOLD" CHARACTER (FROM COMPUTER/TERMINAL) ((^H))
- 20: "RESUME" CHARACTER (FROM COMPUTER/TERMINAL) ((^R))
- 21: OUTPUT NUMERICAL ERROR MESSAGES? (NO)
- 22: SEND ERROR MESSAGES TO MODEM? (NO)
- 23: SPECIAL OUTPUT CHARACTER #1 ((CR))
PORTS (NONE)
DELAY FACTOR/SUBSTITUTION (1)
- 24: SPECIAL OUTPUT CHARACTER #2 ((CR))
PORTS (NONE)
DELAY FACTOR/SUBSTITUTION (1)
- 25: SPECIAL OUTPUT CHARACTER #3 ((CR))
PORTS (NONE)
DELAY FACTOR/SUBSTITUTION (1)
- 26: SPECIAL OUTPUT CHARACTER #4 ((CR))
PORTS (NONE)
DELAY FACTOR/SUBSTITUTION (1)
- 27: "DELETE" CHARACTER ENTERED ((BS))
- 28: "DELETE" CHARACTER ECHOED ((NULL))
- 29: "LINE CANCEL" CHARACTER ((^X))
- 30: NUMBER OF LINES ON PAGE (23)
- 31: STOP DISPLAY AFTER EACH PAGE? (NO)
- 32: SUBSTITUTE TERMINAL PARITY ERRORS WITH ERROR SYMBOL? (YES)
- 33: MODEM OFF-LINE ALERT CHARACTER ((^G))
- 34: INHIBIT ECHO TO TERMINAL? (NO)
- 35: IGNORE "NULL" CHARACTER FROM TERMINAL? (YES)
- 36: TERMINAL "NULL" CHARACTER ((NULL))
- 37: NORMAL TERMINAL DATA
PARITY - EVEN/ODD/NONE (EVEN)
NUMBER OF DATA BITS EXCLUDING PARITY AND
INCLUDING FIXED BITS (IF ANY) (7)
- 38: BINARY TERMINAL DATA
PARITY - EVEN/ODD/NONE (EVEN)
NUMBER OF DATA BITS EXCLUDING PARITY AND
INCLUDING FIXED BITS (IF ANY) (7)

CONFIGURATION PARAMETERS

39: TERMINAL INTERFACE CONTROL (11110)
 40/1 TERMINAL? (NO)
 40: DOES TERMINAL PROVIDE "DATA TERM READY"? (NO)
 41: HALF DUPLEX MODEM? (NO)
 42: **FOR HDX ONLY** TURN AROUND LINE AFTER EVERY CHARACTER? (YES)
 43: **FOR HDX ONLY** MODEM TURNAROUND CHARACTER ([CR])
 44: **FOR HDX ONLY** SECONDARY (SUPERVISORY) CHANNEL AVAILABLE? (NO)
 45: **FOR HDX ONLY** "REQUEST TO SEND" TIMEOUT [MILLISECONDS] (200)
 46: **FOR HDX ONLY** "SECONDARY CARRIER DROPPED" OPTION (0)
 47: WAIT AFTER EOL FOR PROMPT OR AFTER ETX FOR ACK? (NO)
 48: CHARACTER TO INITIATE WAIT PERIOD ([ETX])
 49: WAIT FOR PROMPT BEFORE STARTING TRANSMISSION? (NO)
 50: "PROMPT" OR "ACKNOWLEDGE" CHARACTER ([^F])
 51: "RETRANSMIT FILE" CHARACTER ([^U])
 52: IGNORE "NULL" CHARACTER FROM MODEM? (YES)
 53: MODEM "NULL" CHARACTER ([NULL])
 54: IS ATTACHED INSTRUCTION ECHOED? (NO)
 55: SUBSTITUTE MODEM PARITY ERRORS WITH ERROR SYMBOL? (YES)
 56: CHECK FOR MODEM FRAMING ERRORS? (NO)
 57: INACTIVITY TIMEOUT [SECONDS] (INACTIVE)
 58: NORMAL MODEM DATA
 PARITY - EVEN/ODD/NONE (NONE)
 NUMBER OF DATA BITS
 INCLUDING FIXED BITS (IF ANY) (8)
 EIGHTH DATA BIT (0)
 59: BINARY MODEM DATA
 PARITY - EVEN/ODD/NONE (NONE)
 NUMBER OF DATA BITS
 INCLUDING FIXED BITS (IF ANY) (8)
 60: DOES MODEM PROVIDE "DATA SET READY"? (YES)
 61: PRINTER PORT INSTALLED? (YES)
 62: PRINTER DATA
 PARITY - EVEN/ODD/NONE (NONE)
 NUMBER OF DATA BITS
 INCLUDING FIXED BITS (IF ANY) (8)
 EIGHTH DATA BIT (0)
 63: PRINTER INTERFACE CONTROL (11110)
 64: DOES PRINTER PROVIDE "DATA TERM READY"? (NO)
 65: DOES PRINTER PROVIDE "SEC. REQUEST TO SEND"? (NO)
 66: DOES PRINTER REQUIRE "LINE FEED" AFTER "CARRIAGE RETURN"? (YES)
 67: CHARACTER TO SEPARATE COMMAND AND ARGUMENT ()
 68: CHARACTER TO SEPARATE FILE NAMES (/)
 69: CHARACTER TO START "ENTER AUTOMATIC" INCREMENTING FIELD (<)
 70: CHARACTER TO END "ENTER AUTOMATIC" INCREMENTING FIELD (>)
 71: CHARACTER TO SEPARATE FILE NAME AND EXTENSION (+)
 72: CHARACTER TO SEPARATE COMMAND AND ATTACHED INSTRUCTION (#)
 73: DIRECTORY BOUNDARY SPECIFICATION CHARACTER (*)
 74: "DON'T CARE" CHARACTER FOR EXTENSION (?)
 75: *** UNUSED ***
 76: USER RESPONSE TO "SURE?" MESSAGE (Y)
 77: SYSTEM COMMAND CHARACTER - TERMINAL AND MODEM (.)
 78: SYSTEM COMMAND CHARACTER - MODEM ONLY (,)

CONFIGURATION PARAMETERS

79: "SELECT DRIVE 1" CHARACTER (1)
80: "SELECT DRIVE 2" CHARACTER (2)
81: "BAUD MODEM" COMMAND (BM)
82: "BAUD PRINTER" COMMAND (BP)
83: "BAUD TERMINAL" COMMAND (BT)
84: "COPY" COMMAND (C)
85: "CANCEL" COMMAND (CN)
86: "DISPLAY" COMMAND (D)
87: "DISPLAY DIRECTORY" COMMAND (DD)
88: "DISPLAY STATUS" COMMAND (DS)
89: "ENTER" COMMAND (E)
90: "ENTER AUTOMATIC" COMMAND (EA)
91: "ECHO MODE" COMMAND (EM)
92: "ECHO EXIT" COMMAND (EX)
93: "INCLUDE MODE" COMMAND (IM)
94: "INCLUDE MODE EXIT" COMMAND (IX)
95: "LOAD EXTENSION" COMMAND (LE)
96: "LOAD INITIAL VALUE" COMMAND (LI)
97: "MONITOR MODE" COMMAND (MM)
98: "MONITOR MODE EXIT" COMMAND (MX)
99: "PRINT" COMMAND (P)
100: "PRINT DIRECTORY" COMMAND (PD)
101: "RECEIVE" COMMAND (R)
102: "RECEIVE AUTOMATIC" COMMAND (RA)
"RENAME" COMMAND (RE)
103: "SEND" COMMAND (S)
104: "SEND DIRECTORY" COMMAND (SD)
105: "SEND STATUS" COMMAND (SS)
106: "SEQUENTIAL MODE" COMMAND (SM)
107: "ALPHA MODE" COMMAND (AM)
108: "STANDBY MODE" COMMAND (SB)
109: "WRITE-ENABLE" COMMAND (WE)
110: "WRITE-PROTECT" COMMAND (WP)
111: EDIT OPTION INSTALLED? (YES)
112: EDITOR LINE NUMBER SEPARATOR (,)
113: EDITOR CHARACTER STRING DELIMITER (✓)
114: EDIT COMMAND CHARACTER (;)
115: PREPARE TO "EDIT" COMMAND (ED)
116: "SAVE FILE" COMMAND (SV)
117: EDITOR "APPEND" COMMAND (A)
118: EDITOR "DELETE" COMMAND (D)
119: EDITOR "INSERT" COMMAND (I)
120: EDITOR "LINE COUNT" COMMAND (=)
121: EDITOR "CLEAR" COMMAND (C)
122: EDITOR "LIST" COMMAND (L)
123: EDITOR "LIST-NUMBERED" COMMAND (N)
124: EDITOR "REPLACE" COMMAND (R)
125: EDITOR "SEARCH" COMMAND (S)
126: FORMS OPTION INSTALLED? (YES)
127: CHARACTER TO START FORMS VARIABLE FIELD (C)
128: CHARACTER TO END FORMS VARIABLE FIELD (I)
129: "FORMS COMPLETE" COMMAND (FC)

BIOFORM-01 ATTRIBUTES

ACTION
FIELD

TAB STOP (YES)
 1: INPUT TYPE (KEYBOARD-CONSTANT:)
 1: CHARACTER TYPE (ALPHA)
 1: SECURITY FIELD (NO)
 1: OVERRIDE ERROR FIELD (NO)
 1: MINIMUM LENGTH (0)
 1: EXACT LENGTH TABLE (NO)
 1: RANGE (NO)
 1: ALLOWABLE ENTRY (YES:
 DRIVE: 1 FILE: ACTION)
 1: SUBSTITUTION (NO)
 1: JUSTIFICATION (RIGHT)
 1: FILL CHARACTER ()
 1: FLOAT CHARACTER ()
 1: DECIMAL POSITIONS (0)
 1: SIGN POSITION (LEADING)
 1: AUTO CLOSE (YES)
 1: ARITHMETIC OPERATION (NO)
 1: AUTO FILL-IN (NO)
 1: NEXT PAGE NUMBER (NO)
 1: BRANCHING (NO)
 1: AUTO-INCREMENT (NO)
 1: OUTPUT TO MEMORY CELL (NO)
 1: OUTPUT TO DISKETTE (YES)

RECORD
TYPE

2: TAB STOP (YES)
 2: INPUT TYPE (CONSTANT: 1)
 2: CHARACTER TYPE (DIGIT)
 2: SECURITY FIELD (NO)
 2: OVERRIDE ERROR FIELD (NO)
 2: MINIMUM LENGTH (0)
 2: EXACT LENGTH TABLE (NO)
 2: RANGE (NO)
 2: ALLOWABLE ENTRY (NO)
 2: SUBSTITUTION (NO)
 2: JUSTIFICATION (RIGHT)
 2: FILL CHARACTER ()
 2: FLOAT CHARACTER ()
 2: DECIMAL POSITIONS (0)
 2: SIGN POSITION (LEADING)
 2: AUTO CLOSE (YES)
 2: ARITHMETIC OPERATION (NO)
 2: AUTO FILL-IN (NO)
 2: NEXT PAGE NUMBER (NO)
 2: BRANCHING (NO)
 2: AUTO-INCREMENT (NO)
 2: OUTPUT TO MEMORY CELL (NO)
 2: OUTPUT TO DISKETTE (YES)

BIOFORM-01

SEQUENCE
NO: YEAR

3: TAB STOP (YES)
 3: INPUT TYPE (KEYBOARD)
 3: CHARACTER TYPE (DIGIT)
 3: SECURITY FIELD (NO)
 3: OVERRIDE ERROR FIELD (NO)
 3: MINIMUM LENGTH (0)
 3: EXACT LENGTH TABLE (YES:
 2)
 3: RANGE (YES:
 FROM: 65 TO: 85)
 3: ALLOWABLE ENTRY (NO)
 3: SUBSTITUTION (NO)
 3: JUSTIFICATION (RIGHT)
 3: FILL CHARACTER ()
 3: FLOAT CHARACTER ()
 3: DECIMAL POSITIONS (0)
 3: SIGN POSITION (LEADING)
 3: AUTO CLOSE (YES)
 3: ARITHMETIC OPERATION (NO)
 3: AUTO FILL-IN (NO)
 3: NEXT PAGE NUMBER (NO)
 3: BRANCHING (NO)
 3: AUTO-INCREMENT (NO)
 3: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 1)
 3: OUTPUT TO DISKETTE (YES)

SEQUENCE
NO: COLLECTION
NO

4: TAB STOP (YES)
 4: INPUT TYPE (KEYBOARD)
 4: CHARACTER TYPE (DIGIT)
 4: SECURITY FIELD (NO)
 4: OVERRIDE ERROR FIELD (NO)
 4: MINIMUM LENGTH (1)
 4: EXACT LENGTH TABLE (NO)
 4: RANGE (NO)
 4: ALLOWABLE ENTRY (NO)
 4: SUBSTITUTION (NO)
 4: JUSTIFICATION (RIGHT)
 4: FILL CHARACTER (0)
 4: FLOAT CHARACTER (0)
 4: DECIMAL POSITIONS (0)
 4: SIGN POSITION (LEADING)
 4: AUTO CLOSE (YES)
 4: ARITHMETIC OPERATION (NO)
 4: AUTO FILL-IN (NO)
 4: NEXT PAGE NUMBER (NO)
 4: BRANCHING (FIXED LINE: 6 POSITION: 1)
 4: AUTO-INCREMENT (NO)
 4: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 2)
 4: OUTPUT TO DISKETTE (YES)

BIOFORM-01

REPLICATE

5: TAB STOP (YES)
 5: INPUT TYPE (KEYBOARD)
 5: CHARACTER TYPE (PRINTABLE)
 5: SECURITY FIELD (NO)
 5: OVERRIDE ERROR FIELD (NO)
 5: MINIMUM LENGTH (0)
 5: EXACT LENGTH TABLE (NO)
 5: RANGE (NO)
 5: ALLOWABLE ENTRY (NO)
 5: SUBSTITUTION (NO)
 5: JUSTIFICATION (LEFT)
 5: FILL CHARACTER ()
 5: FLOAT CHARACTER ()
 5: DECIMAL POSITIONS (0)
 5: SIGN POSITION (LEADING)
 5: AUTO CLOSE (YES)
 5: ARITHMETIC OPERATION (NO)
 5: AUTO FILL-IN (NO)
 5: NEXT PAGE NUMBER (NO)
 5: BRANCHING (NO)
 5: AUTO-INCREMENT (NO)
 5: OUTPUT TO MEMORY CELL (NO)
 5: OUTPUT TO DISKETTE (YES)

SPECIES

6: TAB STOP (YES)
 6: INPUT TYPE (KEYBOARD)
 6: CHARACTER TYPE (PRINTABLE)
 6: SECURITY FIELD (NO)
 6: OVERRIDE ERROR FIELD (NO)
 6: MINIMUM LENGTH (0)
 6: EXACT LENGTH TABLE (NO)
 6: RANGE (NO)
 6: ALLOWABLE ENTRY (NO)
 6: SUBSTITUTION (NO)
 6: JUSTIFICATION (LEFT)
 6: FILL CHARACTER ()
 6: FLOAT CHARACTER ()
 6: DECIMAL POSITIONS (0)
 6: SIGN POSITION (LEADING)
 6: AUTO CLOSE (YES)
 6: ARITHMETIC OPERATION (NO)
 6: AUTO FILL-IN (NO)
 6: NEXT PAGE NUMBER (NO)
 6: BRANCHING (NO)
 6: AUTO-INCREMENT (NO)
 6: OUTPUT TO MEMORY CELL (NO)
 6: OUTPUT TO DISKETTE (YES)

BIOFORM-01

STATUS

7: TAB STOP (YES)
 7: INPUT TYPE (KEYBOARD)
 7: CHARACTER TYPE (PRINTABLE)
 7: SECURITY FIELD (NO)
 7: OVERRIDE ERROR FIELD (NO)
 7: MINIMUM LENGTH (0)
 7: EXACT LENGTH TABLE (NO)
 7: RANGE (NO)
 7: ALLOWABLE ENTRY (NO)
 7: SUBSTITUTION (NO)
 7: JUSTIFICATION (LEFT)
 7: FILL CHARACTER ()
 7: FLOAT CHARACTER ()
 7: DECIMAL POSITIONS (0)
 7: SIGN POSITION (LEADING)
 7: AUTO CLOSE (YES)
 7: ARITHMETIC OPERATION (NO)
 7: AUTO FILL-IN (NO)
 7: NEXT PAGE NUMBER (NO)
 7: BRANCHING (NO)
 7: AUTO-INCREMENT (NO)
 7: OUTPUT TO MEMORY CELL (NO)
 7: OUTPUT TO DISKETTE (YES)

LINE
 NUMBER

8: TAB STOP (YES)
 8: INPUT TYPE (KEYBOARD)
 8: CHARACTER TYPE (PRINTABLE)
 8: SECURITY FIELD (NO)
 8: OVERRIDE ERROR FIELD (NO)
 8: MINIMUM LENGTH (0)
 8: EXACT LENGTH TABLE (NO)
 8: RANGE (NO)
 8: ALLOWABLE ENTRY (NO)
 8: SUBSTITUTION (NO)
 8: JUSTIFICATION (LEFT)
 8: FILL CHARACTER ()
 8: FLOAT CHARACTER ()
 8: DECIMAL POSITIONS (0)
 8: SIGN POSITION (LEADING)
 8: AUTO CLOSE (YES)
 8: ARITHMETIC OPERATION (NO)
 8: AUTO FILL-IN (NO)
 8: NEXT PAGE NUMBER (NO)
 8: BRANCHING (NO)
 8: AUTO-INCREMENT (NO)
 8: OUTPUT TO MEMORY CELL (NO)
 8: OUTPUT TO DISKETTE (YES)

BIOFORM-01

PROGRAM

9: TAB STOP (YES)
 9: INPUT TYPE (KEYBOARD)
 9: CHARACTER TYPE (DIGIT)
 9: SECURITY FIELD (NO)
 9: OVERRIDE ERROR FIELD (YES)
 9: MINIMUM LENGTH (8)
 9: EXACT LENGTH TABLE (YES:
 3)
 9: RANGE (NO)
 9: ALLOWABLE ENTRY (NO)
 9: SUBSTITUTION (NO)
 9: JUSTIFICATION (RIGHT)
 9: FILL CHARACTER ()
 9: FLOAT CHARACTER ()
 9: DECIMAL POSITIONS (0)
 9: SIGN POSITION (LEADING)
 9: AUTO CLOSE (YES)
 9: ARITHMETIC OPERATION (NO)
 9: AUTO FILL-IN (NO)
 9: NEXT PAGE NUMBER (NO)
 9: BRANCHING (NO)
 9: AUTO-INCREMENT (NO)
 9: OUTPUT TO MEMORY CELL (NO)
 9: OUTPUT TO DISKETTE (YES)

DATE
 (YYMMDD)

10: TAB STOP (YES)
 10: INPUT TYPE (KEYBOARD)
 10: CHARACTER TYPE (DIGIT)
 10: SECURITY FIELD (NO)
 10: OVERRIDE ERROR FIELD (YES)
 10: MINIMUM LENGTH (8)
 10: EXACT LENGTH TABLE (YES:
 6)
 10: RANGE (YES:
 FROM: 640000 TO: 851231)
 10: ALLOWABLE ENTRY (NO)
 10: SUBSTITUTION (NO)
 10: JUSTIFICATION (RIGHT)
 10: FILL CHARACTER ()
 10: FLOAT CHARACTER ()
 10: DECIMAL POSITIONS (0)
 10: SIGN POSITION (LEADING)
 10: AUTO CLOSE (YES)
 10: ARITHMETIC OPERATION (NO)
 10: AUTO FILL-IN (NO)
 10: NEXT PAGE NUMBER (NO)
 10: BRANCHING (NO)
 10: AUTO-INCREMENT (NO)
 10: OUTPUT TO MEMORY CELL (NO)
 10: OUTPUT TO DISKETTE (YES)

BIOFORM-01

STATION
NUMBER

11: TAB STOP (YES)
 11: INPUT TYPE (KEYBOARD)
 11: CHARACTER TYPE (MIXED)
 11: SECURITY FIELD (NO)
 11: OVERRIDE ERROR FIELD (YES)
 11: MINIMUM LENGTH (0)
 11: EXACT LENGTH TABLE (NO)
 11: RANGE (NO)
 11: ALLOWABLE ENTRY (NO)
 11: SUBSTITUTION (NO)
 11: JUSTIFICATION (LEFT)
 11: FILL CHARACTER ()
 11: FLOAT CHARACTER ()
 11: DECIMAL POSITIONS (0)
 11: SIGN POSITION (LEADING)
 11: AUTO CLOSE (YES)
 11: ARITHMETIC OPERATION (NO)
 11: AUTO FILL-IN (NO)
 11: NEXT PAGE NUMBER (NO)
 11: BRANCHING (NO)
 11: AUTO-INCREMENT (NO)
 11: OUTPUT TO MEMORY CELL (NO)
 11: OUTPUT TO DISKETTE (YES)

STARTING
LOCATION

12: TAB STOP (YES)
 12: INPUT TYPE (KEYBOARD)
 12: CHARACTER TYPE (DIGIT)
 12: SECURITY FIELD (NO)
 12: OVERRIDE ERROR FIELD (YES)
 12: MINIMUM LENGTH (0)
 12: EXACT LENGTH TABLE (YES:
 10)
 12: RANGE (YES:
 FROM: 0000000000 TO: 4000000000)
 12: ALLOWABLE ENTRY (NO)
 12: SUBSTITUTION (NO)
 12: JUSTIFICATION (RIGHT)
 12: FILL CHARACTER ()
 12: FLOAT CHARACTER ()
 12: DECIMAL POSITIONS (0)
 12: SIGN POSITION (LEADING)
 12: AUTO CLOSE (YES)
 12: ARITHMETIC OPERATION (NO)
 12: AUTO FILL-IN (NO)
 12: NEXT PAGE NUMBER (NO)
 12: BRANCHING (NO)
 12: AUTO-INCREMENT (NO)
 12: OUTPUT TO MEMORY CELL (NO)
 12: OUTPUT TO DISKETTE (YES)

BIOFORM-01

GRID

13: TAB STOP (YES)
 13: INPUT TYPE (KEYBOARD)
 13: CHARACTER TYPE (MIXED)
 13: SECURITY FIELD (NO)
 13: OVERRIDE ERROR FIELD (YES)
 13: MINIMUM LENGTH (0)
 13: EXACT LENGTH TABLE (NO)
 13: RANGE (NO)
 13: ALLOWABLE ENTRY (NO)
 13: SUBSTITUTION (NO)
 13: JUSTIFICATION (RIGHT)
 13: FILL CHARACTER ()
 13: FLOAT CHARACTER ()
 13: DECIMAL POSITIONS (0)
 13: SIGN POSITION (LEADING)
 13: AUTO CLOSE (YES)
 13: ARITHMETIC OPERATION (NO)
 13: AUTO FILL-IN (NO)
 13: NEXT PAGE NUMBER (NO)
 13: BRANCHING (NO)
 13: AUTO-INCREMENT (NO)
 13: OUTPUT TO MEMORY CELL (NO)
 13: OUTPUT TO DISKETTE (YES)

QUADRANT

14: TAB STOP (YES)
 14: INPUT TYPE (KEYBOARD)
 14: CHARACTER TYPE (DIGIT)
 14: SECURITY FIELD (NO)
 14: OVERRIDE ERROR FIELD (YES)
 14: MINIMUM LENGTH (0)
 14: EXACT LENGTH TABLE (NO)
 14: RANGE (NO)

 14: ALLOWABLE ENTRY (NO)
 14: SUBSTITUTION (YES - RAM:
 0, ;)
 14: JUSTIFICATION (RIGHT)
 14: FILL CHARACTER ()
 14: FLOAT CHARACTER ()
 14: DECIMAL POSITIONS (0)
 14: SIGN POSITION (LEADING)
 14: AUTO CLOSE (YES)
 14: ARITHMETIC OPERATION (NO)
 14: AUTO FILL-IN (NO)
 14: NEXT PAGE NUMBER (NO)
 14: BRANCHING (NO)
 14: AUTO-INCREMENT (NO)
 14: OUTPUT TO MEMORY CELL (NO)
 14: OUTPUT TO DISKETTE (YES)

BIOFORM-01

TIME
(24 HR)

15: TAB STOP (YES)
 15: INPUT TYPE (KEYBOARD)
 15: CHARACTER TYPE (DIGIT)
 15: SECURITY FIELD (NO)
 15: OVERRIDE ERROR FIELD (YES)
 15: MINIMUM LENGTH (0)
 15: EXACT LENGTH TABLE (NO)
 15: RANGE (YES:
 FROM: 0000 TO: 2400)
 15: ALLOWABLE ENTRY (NO)
 15: SUBSTITUTION (NO)
 15: JUSTIFICATION (RIGHT)
 15: FILL CHARACTER ()
 15: FLOAT CHARACTER ()
 15: DECIMAL POSITIONS (0)
 15: SIGN POSITION (LEADING)
 15: AUTO CLOSE (YES)
 15: ARITHMETIC OPERATION (NO)
 15: AUTO FILL-IN (NO)
 15: NEXT PAGE NUMBER (NO)
 15: BRANCHING (NO)
 15: AUTO-INCREMENT (NO)
 15: OUTPUT TO MEMORY CELL (NO)
 15: OUTPUT TO DISKETTE (YES)

DURATION
(MIN)

16: TAB STOP (YES)
 16: INPUT TYPE (KEYBOARD)
 16: CHARACTER TYPE (PRINTABLE)
 16: SECURITY FIELD (NO)
 16: OVERRIDE ERROR FIELD (YES)
 16: MINIMUM LENGTH (0)
 16: EXACT LENGTH TABLE (NO)
 16: RANGE (NO)
 16: ALLOWABLE ENTRY (NO)
 16: SUBSTITUTION (NO)
 16: JUSTIFICATION (RIGHT)
 16: FILL CHARACTER ()
 16: FLOAT CHARACTER ()
 16: DECIMAL POSITIONS (0)
 16: SIGN POSITION (LEADING)
 16: AUTO CLOSE (YES)
 16: ARITHMETIC OPERATION (NO)
 16: AUTO FILL-IN (NO)
 16: NEXT PAGE NUMBER (NO)
 16: BRANCHING (NO)
 16: AUTO-INCREMENT (NO)
 16: OUTPUT TO MEMORY CELL (NO)
 16: OUTPUT TO DISKETTE (YES)

BIOFORM-01

GEAR

17: TAB STOP (YES)
17: INPUT TYPE (KEYBOARD)
17: CHARACTER TYPE (DIGIT)
17: SECURITY FIELD (NO)
17: OVERRIDE ERROR FIELD (YES)
17: MINIMUM LENGTH (0)
17: EXACT LENGTH TABLE (YES:
3)
17: RANGE (NO)
17: ALLOWABLE ENTRY (NO)
17: SUBSTITUTION (NO)
17: JUSTIFICATION (RIGHT)
17: FILL CHARACTER (0)
17: FLOAT CHARACTER (0)
17: DECIMAL POSITIONS (0)
17: SIGN POSITION (LEADING)
17: AUTO CLOSE (YES)
17: ARITHMETIC OPERATION (NO)
17: AUTO FILL-IN (NO)
17: NEXT PAGE NUMBER (NO)
17: BRANCHING (NO)
17: AUTO-INCREMENT (NO)
17: OUTPUT TO MEMORY CELL (NO)
17: OUTPUT TO DISKETTE (YES)

GEAR PARAMETER:
#1

18: TAB STOP (YES)
18: INPUT TYPE (KEYBOARD)
18: CHARACTER TYPE (PRINTABLE)
18: SECURITY FIELD (NO)
18: OVERRIDE ERROR FIELD (YES)
18: MINIMUM LENGTH (0)
18: EXACT LENGTH TABLE (YES: 0,4)
18: RANGE (NO)
18: ALLOWABLE ENTRY (NO)
18: SUBSTITUTION (NO)
18: JUSTIFICATION (RIGHT)
18: FILL CHARACTER ()
18: FLOAT CHARACTER ()
18: DECIMAL POSITIONS (0)
18: SIGN POSITION (LEADING)
18: AUTO CLOSE (YES)
18: ARITHMETIC OPERATION (NO)
18: AUTO FILL-IN (NO)
18: NEXT PAGE NUMBER (NO)
18: BRANCHING (NO)
18: AUTO-INCREMENT (NO)
18: OUTPUT TO MEMORY CELL (NO)
18: OUTPUT TO DISKETTE (YES)

BIOFORM-01

GEAR PARAMETER:
#2

19: TAB STOP (YES)
 19: INPUT TYPE (KEYBOARD)
 19: CHARACTER TYPE (PRINTABLE)
 19: SECURITY FIELD (NO)
 19: OVERRIDE ERROR FIELD (YES)
 19: MINIMUM LENGTH (0)
 19: EXACT LENGTH TABLE (YES: 0,4)
 19: RANGE (NO)
 19: ALLOWABLE ENTRY (NO)
 19: SUBSTITUTION (NO)
 19: JUSTIFICATION (RIGHT)
 19: FILL CHARACTER ()
 19: FLOAT CHARACTER ()
 19: DECIMAL POSITIONS (0)
 19: SIGN POSITION (LEADING)
 19: AUTO CLOSE (YES)
 19: ARITHMETIC OPERATION (NO)
 19: AUTO FILL-IN (NO)
 19: NEXT PAGE NUMBER (NO)
 19: BRANCHING (NO)
 19: AUTO-INCREMENT (NO)
 19: OUTPUT TO MEMORY CELL (NO)
 19: OUTPUT TO DISKETTE (YES)

GEAR PARAMETER:
#3

20: TAB STOP (YES)
 20: INPUT TYPE (KEYBOARD)
 20: CHARACTER TYPE (PRINTABLE)
 20: SECURITY FIELD (NO)
 20: OVERRIDE ERROR FIELD (YES)
 20: MINIMUM LENGTH (0)
 20: EXACT LENGTH TABLE (YES: 0,4)
 20: RANGE (NO)
 20: ALLOWABLE ENTRY (NO)
 20: SUBSTITUTION (NO)
 20: JUSTIFICATION (RIGHT)
 20: FILL CHARACTER ()
 20: FLOAT CHARACTER ()
 20: DECIMAL POSITIONS (0)
 20: SIGN POSITION (LEADING)
 20: AUTO CLOSE (YES)
 20: ARITHMETIC OPERATION (NO)
 20: AUTO FILL-IN (NO)
 20: NEXT PAGE NUMBER (NO)
 20: BRANCHING (NO)
 20: AUTO-INCREMENT (NO)
 20: OUTPUT TO MEMORY CELL (NO)
 20: OUTPUT TO DISKETTE (YES)

BIOFORM-01

RIG

21: TAB STOP (YES)
 21: INPUT TYPE (KEYBOARD)
 21: CHARACTER TYPE (DIGIT)
 21: SECURITY FIELD (NO)
 21: OVERRIDE ERROR FIELD (YES)
 21: MINIMUM LENGTH (0)
 21: EXACT LENGTH TABLE (NO)
 21: RANGE (NO)
 21: ALLOWABLE ENTRY (NO)
 21: SUBSTITUTION (NO)
 21: JUSTIFICATION (RIGHT)
 21: FILL CHARACTER ()
 21: FLOAT CHARACTER ()
 21: DECIMAL POSITIONS (0)
 21: SIGN POSITION (LEADING)
 21: AUTO CLOSE (YES)
 21: ARITHMETIC OPERATION (NO)
 21: AUTO FILL-IN (NO)
 21: NEXT PAGE NUMBER (NO)
 21: BRANCHING (NO)
 21: AUTO-INCREMENT (NO)
 21: OUTPUT TO MEMORY CELL (NO)
 21: OUTPUT TO DISKETTE (YES)

TOW
 TYPE

22: TAB STOP (YES)
 22: INPUT TYPE (KEYBOARD)
 22: CHARACTER TYPE (DIGIT)
 22: SECURITY FIELD (NO)
 22: OVERRIDE ERROR FIELD (YES)
 22: MINIMUM LENGTH (0)
 22: EXACT LENGTH TABLE (NO)
 22: RANGE (YES:
 FROM: 0 TO: 4)
 22: ALLOWABLE ENTRY (NO)
 22: SUBSTITUTION (YES - RAM:
 0, ;)
 22: JUSTIFICATION (RIGHT)
 22: FILL CHARACTER ()
 22: FLOAT CHARACTER ()
 22: DECIMAL POSITIONS (0)
 22: SIGN POSITION (LEADING)
 22: AUTO CLOSE (YES)
 22: ARITHMETIC OPERATION (NO)
 22: AUTO FILL-IN (NO)
 22: NEXT PAGE NUMBER (NO)
 22: BRANCHING (NO)
 22: AUTO-INCREMENT (NO)
 22: OUTPUT TO MEMORY CELL (NO)
 22: OUTPUT TO DISKETTE (YES)

BIOFORM-01

SEDIMENT
SIZE

23: TAB STOP (YES)
 23: INPUT TYPE (KEYBOARD)
 23: CHARACTER TYPE (MIXED)
 23: SECURITY FIELD (NO)
 23: OVERRIDE ERROR FIELD (YES)
 23: MINIMUM LENGTH (0)
 23: EXACT LENGTH TABLE (NO)
 23: RANGE (NO)
 23: ALLOWABLE ENTRY (NO)
 23: SUBSTITUTION (NO)
 23: JUSTIFICATION (RIGHT)
 23: FILL CHARACTER ()
 23: FLOAT CHARACTER ()
 23: DECIMAL POSITIONS (0)
 23: SIGN POSITION (LEADING)
 23: AUTO CLOSE (YES)
 23: ARITHMETIC OPERATION (NO)
 23: AUTO FILL-IN (NO)
 23: NEXT PAGE NUMBER (NO)
 23: BRANCHING (NO)
 23: AUTO-INCREMENT (NO)
 23: OUTPUT TO MEMORY CELL (NO)
 23: OUTPUT TO DISKETTE (YES)

BOTTOM
COMP.

24: TAB STOP (YES)
 24: INPUT TYPE (KEYBOARD)
 24: CHARACTER TYPE (ALPHA)
 24: SECURITY FIELD (NO)
 24: OVERRIDE ERROR FIELD (YES)
 24: MINIMUM LENGTH (0)
 24: EXACT LENGTH TABLE (NO)
 24: RANGE (NO)
 24: ALLOWABLE ENTRY (NO)
 24: SUBSTITUTION (NO)
 24: JUSTIFICATION (RIGHT)
 24: FILL CHARACTER ()
 24: FLOAT CHARACTER ()
 24: DECIMAL POSITIONS (0)
 24: SIGN POSITION (LEADING)
 24: AUTO CLOSE (YES)
 24: ARITHMETIC OPERATION (NO)
 24: AUTO FILL-IN (NO)
 24: NEXT PAGE NUMBER (NO)
 24: BRANCHING (NO)
 24: AUTO-INCREMENT (NO)
 24: OUTPUT TO MEMORY CELL (NO)
 24: OUTPUT TO DISKETTE (YES)

BIOFORM-01

BOTTOM
PROFILE

25: TAB STOP (YES)
 25: INPUT TYPE (KEYBOARD)
 25: CHARACTER TYPE (DIGIT)
 25: SECURITY FIELD (NO)
 25: OVERRIDE ERROR FIELD (YES)
 25: MINIMUM LENGTH (0)
 25: EXACT LENGTH TABLE (NO)
 25: RANGE (YES:
 FROM: 0 TO: 6)
 25: ALLOWABLE ENTRY (NO)
 25: SUBSTITUTION (YES - RAM:
 0, ;)
 25: JUSTIFICATION (RIGHT)
 25: FILL CHARACTER ()
 25: FLOAT CHARACTER ()
 25: DECIMAL POSITIONS (0)
 25: SIGN POSITION (LEADING)
 25: AUTO CLOSE (YES)
 25: ARITHMETIC OPERATION (NO)
 25: AUTO FILL-IN (NO)
 25: NEXT PAGE NUMBER (NO)
 25: BRANCHING (NO)
 25: AUTO-INCREMENT (NO)
 25: OUTPUT TO MEMORY CELL (NO)
 25: OUTPUT TO DISKETTE (YES)

DEPTH
(METERS)

26: TAB STOP (YES)
 26: INPUT TYPE (KEYBOARD)
 26: CHARACTER TYPE (PRINTABLE)
 26: SECURITY FIELD (NO)
 26: OVERRIDE ERROR FIELD (YES)
 26: MINIMUM LENGTH (0)
 26: EXACT LENGTH TABLE (NO)
 26: RANGE (NO)
 26: ALLOWABLE ENTRY (NO)
 26: SUBSTITUTION (NO)
 26: JUSTIFICATION (RIGHT)
 26: FILL CHARACTER ()
 26: FLOAT CHARACTER ()
 26: DECIMAL POSITIONS (0)
 26: SIGN POSITION (LEADING)
 26: AUTO CLOSE (YES)
 26: ARITHMETIC OPERATION (NO)
 26: AUTO FILL-IN (NO)
 26: NEXT PAGE NUMBER (NO)
 26: BRANCHING (NO)
 26: AUTO-INCREMENT (NO)
 26: OUTPUT TO MEMORY CELL (NO)
 26: OUTPUT TO DISKETTE (YES)

BIOFORM-01

TEMPERATURE
(CENTIGRADE):
AIR

27: TAB STOP (YES)
 27: INPUT TYPE (KEYBOARD)
 27: CHARACTER TYPE (DIGIT)
 27: SECURITY FIELD (NO)
 27: OVERRIDE ERROR FIELD (YES)
 27: MINIMUM LENGTH (0)
 27: EXACT LENGTH TABLE (YES:
 0,3)
 27: RANGE (YES:
 FROM: -99 TO: 400)
 27: ALLOWABLE ENTRY (NO)
 27: SUBSTITUTION (NO)
 27: JUSTIFICATION (RIGHT)
 27: FILL CHARACTER ()
 27: FLOAT CHARACTER ()
 27: DECIMAL POSITIONS (0)
 27: SIGN POSITION (LEADING)
 27: AUTO CLOSE (YES)
 27: ARITHMETIC OPERATION (NO)
 27: AUTO FILL-IN (NO)
 27: NEXT PAGE NUMBER (NO)
 27: BRANCHING (NO)
 27: AUTO-INCREMENT (NO)
 27: OUTPUT TO MEMORY CELL (NO)
 27: OUTPUT TO DISKETTE (YES)

TEMPERATURE
(CENTIGRADE):
SURFACE

28: TAB STOP (YES)
 28: INPUT TYPE (KEYBOARD)
 28: CHARACTER TYPE (DIGIT)
 28: SECURITY FIELD (NO)
 28: OVERRIDE ERROR FIELD (YES)
 28: MINIMUM LENGTH (0)
 28: EXACT LENGTH TABLE (YES:
 0,3)
 28: RANGE (YES:
 FROM: -50 TO: 400)
 28: ALLOWABLE ENTRY (NO)
 28: SUBSTITUTION (NO)
 28: JUSTIFICATION (RIGHT)
 28: FILL CHARACTER ()
 28: FLOAT CHARACTER ()
 28: DECIMAL POSITIONS (0)
 28: SIGN POSITION (LEADING)
 28: AUTO CLOSE (YES)
 28: ARITHMETIC OPERATION (NO)
 28: AUTO FILL-IN (NO)
 28: NEXT PAGE NUMBER (NO)
 28: BRANCHING (NO)
 28: AUTO-INCREMENT (NO)
 28: OUTPUT TO MEMORY CELL (NO)
 28: OUTPUT TO DISKETTE (YES)

BIOFORM-01

TEMPERATURE
(CENTIGRADE):
BOTTOM

29: TAB STOP (YES)
29: INPUT TYPE (KEYBOARD)
29: CHARACTER TYPE (DIGIT)
29: SECURITY FIELD (NO)
29: OVERRIDE ERROR FIELD (YES)
29: MINIMUM LENGTH (0)
29: EXACT LENGTH TABLE (YES:
0,3)
29: RANGE (YES:
FROM: -50 TO: 400)
29: ALLOWABLE ENTRY (NO)
29: SUBSTITUTION (NO)
29: JUSTIFICATION (RIGHT)
29: FILL CHARACTER ()
29: FLOAT CHARACTER ()
29: DECIMAL POSITIONS (0)
29: SIGN POSITION (LEADING)
29: AUTO CLOSE (YES)
29: ARITHMETIC OPERATION (NO)
29: AUTO FILL-IN (NO)
29: NEXT PAGE NUMBER (NO)
29: BRANCHING (NO)
29: AUTO-INCREMENT (NO)
29: OUTPUT TO MEMORY CELL (NO)
29: OUTPUT TO DISKETTE (YES)

SALINITY
(PPT):
SURFACE

30: TAB STOP (YES)
30: INPUT TYPE (KEYBOARD)
30: CHARACTER TYPE (DIGIT)
30: SECURITY FIELD (NO)
30: OVERRIDE ERROR FIELD (YES)
30: MINIMUM LENGTH (0)
30: EXACT LENGTH TABLE (YES:
0,3)
30: RANGE (YES:
FROM: 000 TO: 400)
30: ALLOWABLE ENTRY (NO)
30: SUBSTITUTION (NO)
30: JUSTIFICATION (RIGHT)
30: FILL CHARACTER ()
30: FLOAT CHARACTER ()
30: DECIMAL POSITIONS (0)
30: SIGN POSITION (LEADING)
30: AUTO CLOSE (YES)
30: ARITHMETIC OPERATION (NO)
30: AUTO FILL-IN (NO)
30: NEXT PAGE NUMBER (NO)
30: BRANCHING (NO)
30: AUTO-INCREMENT (NO)
30: OUTPUT TO MEMORY CELL (NO)
30: OUTPUT TO DISKETTE (YES)

BIOFORM-01

SALINITY
(PPT):
BOTTOM

31: TAB STOP (YES)
31: INPUT TYPE (KEYBOARD)
31: CHARACTER TYPE (DIGIT)
31: SECURITY FIELD (NO)
31: OVERRIDE ERROR FIELD (YES)
31: MINIMUM LENGTH (0)
31: EXACT LENGTH TABLE (YES:
0,3)
31: RANGE (YES:
FROM: 000 TO: 400)
31: ALLOWABLE ENTRY (NO)
31: SUBSTITUTION (NO)
31: JUSTIFICATION (RIGHT)
31: FILL CHARACTER ()
31: FLOAT CHARACTER ()
31: DECIMAL POSITIONS (0)
31: SIGN POSITION (LEADING)
31: AUTO CLOSE (YES)
31: ARITHMETIC OPERATION (NO)
31: AUTO FILL-IN (NO)
31: NEXT PAGE NUMBER (NO)
31: BRANCHING (NO)
31: AUTO-INCREMENT (NO)
31: OUTPUT TO MEMORY CELL (NO)
31: OUTPUT TO DISKETTE (YES)

VARIABLE
FIELD
#1

32: TAB STOP (YES)
32: INPUT TYPE (KEYBOARD)
32: CHARACTER TYPE (PRINTABLE)
32: SECURITY FIELD (NO)
32: OVERRIDE ERROR FIELD (YES)
32: MINIMUM LENGTH (0)
32: EXACT LENGTH TABLE (NO)

32: RANGE (NO)

32: ALLOWABLE ENTRY (NO)
32: SUBSTITUTION (NO)
32: JUSTIFICATION (RIGHT)
32: FILL CHARACTER ()
32: FLOAT CHARACTER ()
32: DECIMAL POSITIONS (0)
32: SIGN POSITION (LEADING)
32: AUTO CLOSE (YES)
32: ARITHMETIC OPERATION (NO)
32: AUTO FILL-IN (NO)
32: NEXT PAGE NUMBER (NO)
32: BRANCHING (NO)
32: AUTO-INCREMENT (NO)
32: OUTPUT TO MEMORY CELL (NO)
32: OUTPUT TO DISKETTE (YES)

BIOFORM-01

DISSOLVED
OXYGEN:
SURFACE

33: TAB STOP (YES)
33: INPUT TYPE (KEYBOARD)
33: CHARACTER TYPE (DIGIT)
33: SECURITY FIELD (NO)
33: OVERRIDE ERROR FIELD (YES)
33: MINIMUM LENGTH (0)
33: EXACT LENGTH TABLE (YES:
0,3)
33: RANGE (YES:
FROM: 000 TO: 100)
33: ALLOWABLE ENTRY (NO)
33: SUBSTITUTION (NO)
33: JUSTIFICATION (RIGHT)
33: FILL CHARACTER ()
33: FLOAT CHARACTER ()
33: DECIMAL POSITIONS (0)
33: SIGN POSITION (LEADING)
33: AUTO CLOSE (YES)
33: ARITHMETIC OPERATION (NO)
33: AUTO FILL-IN (NO)
33: NEXT PAGE NUMBER (NO)
33: BRANCHING (NO)
33: AUTO-INCREMENT (NO)
33: OUTPUT TO MEMORY CELL (NO)
33: OUTPUT TO DISKETTE (YES)

DISSOLVED
OXYGEN:
BOTTOM

34: TAB STOP (YES)
34: INPUT TYPE (KEYBOARD)
34: CHARACTER TYPE (DIGIT)
34: SECURITY FIELD (NO)
34: OVERRIDE ERROR FIELD (YES)
34: MINIMUM LENGTH (0)
34: EXACT LENGTH TABLE (YES:
0,3)
34: RANGE (YES:
FROM: 000 TO: 100)
34: ALLOWABLE ENTRY (NO)
34: SUBSTITUTION (NO)
34: JUSTIFICATION (RIGHT)
34: FILL CHARACTER ()
34: FLOAT CHARACTER ()
34: DECIMAL POSITIONS (0)
34: SIGN POSITION (LEADING)
34: AUTO CLOSE (YES)
34: ARITHMETIC OPERATION (NO)
34: AUTO FILL-IN (NO)
34: NEXT PAGE NUMBER (NO)
34: BRANCHING (NO)
34: AUTO-INCREMENT (NO)
34: OUTPUT TO MEMORY CELL (NO)
34: OUTPUT TO DISKETTE (YES)

BIOFORM-01

pH

35: TAB STOP (YES)
35: INPUT TYPE (KEYBOARD)
35: CHARACTER TYPE (DIGIT)
35: SECURITY FIELD (NO)
35: OVERRIDE ERROR FIELD (YES)
35: MINIMUM LENGTH (0)
35: EXACT LENGTH TABLE (YES:
0,2)
35: RANGE (YES:
FROM: 00 TO: 99)
35: ALLOWABLE ENTRY (NO)
35: SUBSTITUTION (NO)
35: JUSTIFICATION (RIGHT)
35: FILL CHARACTER ()
35: FLOAT CHARACTER ()
35: DECIMAL POSITIONS (0)
35: SIGN POSITION (LEADING)
35: AUTO CLOSE (YES)
35: ARITHMETIC OPERATION (NO)
35: AUTO FILL-IN (NO)
35: NEXT PAGE NUMBER (NO)
35: BRANCHING (NO)
35: AUTO-INCREMENT (NO)
35: OUTPUT TO MEMORY CELL (NO)
35: OUTPUT TO DISKETTE (YES)

WEATHER
ELEMENT

36: TAB STOP (YES)
36: INPUT TYPE (KEYBOARD)
36: CHARACTER TYPE (DIGIT)
36: SECURITY FIELD (NO)
36: OVERRIDE ERROR FIELD (YES)
36: MINIMUM LENGTH (0)
36: EXACT LENGTH TABLE (NO)
36: RANGE (NO)
36: ALLOWABLE ENTRY (NO)
36: SUBSTITUTION (NO)
36: JUSTIFICATION (RIGHT)
36: FILL CHARACTER ()
36: FLOAT CHARACTER ()
36: DECIMAL POSITIONS (0)
36: SIGN POSITION (LEADING)
36: AUTO CLOSE (YES)
36: ARITHMETIC OPERATION (NO)
36: AUTO FILL-IN (NO)
36: NEXT PAGE NUMBER (NO)
36: BRANCHING (NO)
36: AUTO-INCREMENT (NO)
36: OUTPUT TO MEMORY CELL (NO)
36: OUTPUT TO DISKETTE (YES)

BIOFORM-01

VARIABLE
FIELD
#2

37: TAB STOP (YES)
 37: INPUT TYPE (KEYBOARD)
 37: CHARACTER TYPE (PRINTABLE)
 37: SECURITY FIELD (NO)
 37: OVERRIDE ERROR FIELD (YES)
 37: MINIMUM LENGTH (0)
 37: EXACT LENGTH TABLE (NO)

 37: RANGE (NO)

 37: ALLOWABLE ENTRY (NO)
 37: SUBSTITUTION (NO)
 37: JUSTIFICATION (RIGHT)
 37: FILL CHARACTER ()
 37: FLOAT CHARACTER ()
 37: DECIMAL POSITIONS (0)
 37: SIGN POSITION (LEADING)
 37: AUTO CLOSE (YES)
 37: ARITHMETIC OPERATION (NO)
 37: AUTO FILL-IN (NO)
 37: NEXT PAGE NUMBER (NO)
 37: BRANCHING (NO)
 37: AUTO-INCREMENT (NO)
 37: OUTPUT TO MEMORY CELL (NO)
 37: OUTPUT TO DISKETTE (YES)

WIND
DIRECTION

38: TAB STOP (YES)
 38: INPUT TYPE (KEYBOARD)
 38: CHARACTER TYPE (DIGIT)
 38: SECURITY FIELD (NO)
 38: OVERRIDE ERROR FIELD (YES)
 38: MINIMUM LENGTH (0)
 38: EXACT LENGTH TABLE (NO)
 38: RANGE (NO)
 38: ALLOWABLE ENTRY (NO)
 38: SUBSTITUTION (NO)
 38: JUSTIFICATION (RIGHT)
 38: FILL CHARACTER ()
 38: FLOAT CHARACTER ()
 38: DECIMAL POSITIONS (0)
 38: SIGN POSITION (LEADING)
 38: AUTO CLOSE (YES)
 38: ARITHMETIC OPERATION (NO)
 38: AUTO FILL-IN (NO)
 38: NEXT PAGE NUMBER (NO)
 38: BRANCHING (NO)
 38: AUTO-INCREMENT (NO)
 38: OUTPUT TO MEMORY CELL (NO)
 38: OUTPUT TO DISKETTE (YES)

BIOFORM-01

WIND
SPEED

39: TAB STOP (YES)
 39: INPUT TYPE (KEYBOARD)
 39: CHARACTER TYPE (DIGIT)
 39: SECURITY FIELD (NO)
 39: OVERRIDE ERROR FIELD (YES)
 39: MINIMUM LENGTH (0)
 39: EXACT LENGTH TABLE (NO)
 39: RANGE (YES:
 FROM: 00 TO: 30)
 39: ALLOWABLE ENTRY (NO)
 39: SUBSTITUTION (NO)
 39: JUSTIFICATION (RIGHT)
 39: FILL CHARACTER ()
 39: FLOAT CHARACTER ()
 39: DECIMAL POSITIONS (0)
 39: SIGN POSITION (LEADING)
 39: AUTO CLOSE (YES)
 39: ARITHMETIC OPERATION (NO)
 39: AUTO FILL-IN (NO)
 39: NEXT PAGE NUMBER (NO)
 39: BRANCHING (NO)
 39: AUTO-INCREMENT (NO)
 39: OUTPUT TO MEMORY CELL (NO)
 39: OUTPUT TO DISKETTE (YES)

CURRENT
DIRECTION

40: TAB STOP (YES)
 40: INPUT TYPE (KEYBOARD)
 40: CHARACTER TYPE (DIGIT)
 40: SECURITY FIELD (NO)
 40: OVERRIDE ERROR FIELD (YES)
 40: MINIMUM LENGTH (0)
 40: EXACT LENGTH TABLE (NO)
 40: RANGE (NO)
 40: ALLOWABLE ENTRY (NO)
 40: SUBSTITUTION (NO)
 40: JUSTIFICATION (RIGHT)
 40: FILL CHARACTER ()
 40: FLOAT CHARACTER ()
 40: DECIMAL POSITIONS (0)
 40: SIGN POSITION (LEADING)
 40: AUTO CLOSE (YES)
 40: ARITHMETIC OPERATION (NO)
 40: AUTO FILL-IN (NO)
 40: NEXT PAGE NUMBER (NO)
 40: BRANCHING (NO)
 40: AUTO-INCREMENT (NO)
 40: OUTPUT TO MEMORY CELL (NO)
 40: OUTPUT TO DISKETTE (YES)

BIOFORM-01

CURRENT
SPEED

- 41: TAB STOP (YES)
- 41: INPUT TYPE (KEYBOARD)
- 41: CHARACTER TYPE (DIGIT)
- 41: SECURITY FIELD (NO)
- 41: OVERRIDE ERROR FIELD (YES)
- 41: MINIMUM LENGTH (0)
- 41: EXACT LENGTH TABLE (NO)
- 41: RANGE (YES:
FROM: 00 TO: 15)
- 41: ALLOWABLE ENTRY (NO)
- 41: SUBSTITUTION (NO)
- 41: JUSTIFICATION (RIGHT)
- 41: FILL CHARACTER ()
- 41: FLOAT CHARACTER ()
- 41: DECIMAL POSITIONS (0)
- 41: SIGN POSITION (LEADING)
- 41: AUTO CLOSE (YES)
- 41: ARITHMETIC OPERATION (NO)
- 41: AUTO FILL-IN (NO)
- 41: NEXT PAGE NUMBER (NO)
- 41: BRANCHING (NO)
- 41: AUTO-INCREMENT (NO)
- 41: OUTPUT TO MEMORY CELL (NO)
- 41: OUTPUT TO DISKETTE (YES)

WATER
LEVEL

- 42: TAB STOP (YES)
- 42: INPUT TYPE (KEYBOARD)
- 42: CHARACTER TYPE (ALPHA)
- 42: SECURITY FIELD (NO)
- 42: OVERRIDE ERROR FIELD (YES)
- 42: MINIMUM LENGTH (0)
- 42: EXACT LENGTH TABLE (NO)
- 42: RANGE (NO)
- 42: ALLOWABLE ENTRY (NO)
- 42: SUBSTITUTION (NO)
- 42: JUSTIFICATION (RIGHT)
- 42: FILL CHARACTER ()
- 42: FLOAT CHARACTER ()
- 42: DECIMAL POSITIONS (0)
- 42: SIGN POSITION (LEADING)
- 42: AUTO CLOSE (YES)
- 42: ARITHMETIC OPERATION (NO)
- 42: AUTO FILL-IN (NO)
- 42: NEXT PAGE NUMBER (NO)
- 42: BRANCHING (NO)
- 42: AUTO-INCREMENT (NO)
- 42: OUTPUT TO MEMORY CELL (NO)
- 42: OUTPUT TO DISKETTE (YES)

BIOFORM-01

ALTERATION
STATE

43: TAB STOP (YES)
 43: INPUT TYPE (KEYBOARD)
 43: CHARACTER TYPE (DIGIT)
 43: SECURITY FIELD (NO)
 43: OVERRIDE ERROR FIELD (YES)
 43: MINIMUM LENGTH (0)
 43: EXACT LENGTH TABLE (NO)
 43: RANGE (YES:
 FROM: 0 TO: 5)
 43: ALLOWABLE ENTRY (NO)
 43: SUBSTITUTION (YES - RAM:
 0, ;)
 43: JUSTIFICATION (RIGHT)
 43: FILL CHARACTER ()
 43: FLOAT CHARACTER ()
 43: DECIMAL POSITIONS (0)
 43: SIGN POSITION (LEADING)
 43: AUTO CLOSE (YES)
 43: ARITHMETIC OPERATION (NO)
 43: AUTO FILL-IN (NO)
 43: NEXT PAGE NUMBER (NO)
 43: BRANCHING (NO)
 43: AUTO-INCREMENT (NO)
 43: OUTPUT TO MEMORY CELL (NO)
 43: OUTPUT TO DISKETTE (YES)

ALLOWED
FISHING
ACTIVITY

44: TAB STOP (YES)
 44: INPUT TYPE (KEYBOARD)
 44: CHARACTER TYPE (ALPHA)
 44: SECURITY FIELD (NO)
 44: OVERRIDE ERROR FIELD (YES)
 44: MINIMUM LENGTH (0)
 44: EXACT LENGTH TABLE (NO)
 44: RANGE (NO)
 44: ALLOWABLE ENTRY (NO)
 44: SUBSTITUTION (NO)
 44: JUSTIFICATION (RIGHT)
 44: FILL CHARACTER ()
 44: FLOAT CHARACTER ()
 44: DECIMAL POSITIONS (0)
 44: SIGN POSITION (LEADING)
 44: AUTO CLOSE (YES)
 44: ARITHMETIC OPERATION (NO)
 44: AUTO FILL-IN (NO)
 44: NEXT PAGE NUMBER (NO)
 44: BRANCHING (NO)
 44: AUTO-INCREMENT (NO)
 44: OUTPUT TO MEMORY CELL (NO)
 44: OUTPUT TO DISKETTE (YES)

BIOFORM-01

NUMBER
OF
REPLICATES

45: TAB STOP (YES)
 45: INPUT TYPE (KEYBOARD)
 45: CHARACTER TYPE (DIGIT)
 45: SECURITY FIELD (NO)
 45: OVERRIDE ERROR FIELD (NO)
 45: MINIMUM LENGTH (1)
 45: EXACT LENGTH TABLE (NO)
 45: RANGE (NO)
 45: ALLOWABLE ENTRY (NO)
 45: SUBSTITUTION (NO)
 45: JUSTIFICATION (RIGHT)
 45: FILL CHARACTER ()
 45: FLOAT CHARACTER (0)
 45: DECIMAL POSITIONS (0)
 45: SIGN POSITION (LEADING)
 45: AUTO CLOSE (YES)
 45: ARITHMETIC OPERATION (NO)
 45: AUTO FILL-IN (NO)
 45: NEXT PAGE NUMBER (NO)
 45: BRANCHING (NO)
 45: AUTO-INCREMENT (NO)
 45: OUTPUT TO MEMORY CELL (NO)
 45: OUTPUT TO DISKETTE (YES)

LOAD
RECORD TYPE:
ONE

46: TAB STOP (YES)
 46: INPUT TYPE (KEYBOARD)
 46: CHARACTER TYPE (PRINTABLE)
 46: SECURITY FIELD (NO)
 46: OVERRIDE ERROR FIELD (NO)
 46: MINIMUM LENGTH (0)
 46: EXACT LENGTH TABLE (NO)
 46: RANGE (NO)
 46: ALLOWABLE ENTRY (NO)
 46: SUBSTITUTION (NO)
 46: JUSTIFICATION (LEFT)
 46: FILL CHARACTER ()
 46: FLOAT CHARACTER ()
 46: DECIMAL POSITIONS (0)
 46: SIGN POSITION (LEADING)
 46: AUTO CLOSE (YES)
 46: ARITHMETIC OPERATION (NO)
 46: AUTO FILL-IN (NO)
 46: NEXT PAGE NUMBER (YES - PAGE 1)
 46: BRANCHING (TEST LINE: 23 POSITION: 80

BRANCH: MINIMUM LENGTH (0)
 BRANCH: MAXIMUM LENGTH (1)
 BRANCH: EXACT LENGTH TABLE (NO)
 BRANCH: RANGE (NO)
 BRANCH: ALLOWABLE ENTRY (YES - RAM:
 X:))
 46: AUTO-INCREMENT (NO)
 46: OUTPUT TO MEMORY CELL (NO)
 46: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
TWO

BIOFORM-01

47: TAB STOP (YES)
47: INPUT TYPE (KEYBOARD)
47: CHARACTER TYPE (PRINTABLE)
47: SECURITY FIELD (NO)
47: OVERRIDE ERROR FIELD (NO)
47: MINIMUM LENGTH (0)
47: EXACT LENGTH TABLE (NO)
47: RANGE (NO)
47: ALLOWABLE ENTRY (NO)
47: SUBSTITUTION (NO)
47: JUSTIFICATION (LEFT)
47: FILL CHARACTER ()
47: FLOAT CHARACTER ()
47: DECIMAL POSITIONS (0)
47: SIGN POSITION (LEADING)
47: AUTO CLOSE (YES)
47: ARITHMETIC OPERATION (NO)
47: AUTO FILL-IN (NO)
47: NEXT PAGE NUMBER (YES - PAGE 2)
47: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X;))

47: AUTO-INCREMENT (NO)
47: OUTPUT TO MEMORY CELL (NO)
47: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
THREE

48: TAB STOP (YES)
48: INPUT TYPE (KEYBOARD)
48: CHARACTER TYPE (PRINTABLE)
48: SECURITY FIELD (NO)
48: OVERRIDE ERROR FIELD (NO)
48: MINIMUM LENGTH (0)
48: EXACT LENGTH TABLE (NO)
48: RANGE (NO)
48: ALLOWABLE ENTRY (NO)
48: SUBSTITUTION (NO)
48: JUSTIFICATION (LEFT)
48: FILL CHARACTER ()
48: FLOAT CHARACTER ()
48: DECIMAL POSITIONS (0)
48: SIGN POSITION (LEADING)
48: AUTO CLOSE (YES)
48: ARITHMETIC OPERATION (NO)
48: AUTO FILL-IN (NO)
48: NEXT PAGE NUMBER (YES - PAGE 3)
48: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X;))

48: AUTO-INCREMENT (NO)
48: OUTPUT TO MEMORY CELL (NO)
48: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
FOUR

BIOFORM-01

49: TAB STOP (YES)
49: INPUT TYPE (KEYBOARD)
49: CHARACTER TYPE (PRINTABLE)
49: SECURITY FIELD (NO)
49: OVERRIDE ERROR FIELD (NO)
49: MINIMUM LENGTH (0)
49: EXACT LENGTH TABLE (NO)
49: RANGE (NO)
49: ALLOWABLE ENTRY (NO)
49: SUBSTITUTION (NO)
49: JUSTIFICATION (LEFT)
49: FILL CHARACTER ()
49: FLOAT CHARACTER ()
49: DECIMAL POSITIONS (0)
49: SIGN POSITION (LEADING)
49: AUTO CLOSE (YES)
49: ARITHMETIC OPERATION (NO)
49: AUTO FILL-IN (NO)
49: NEXT PAGE NUMBER (YES - PAGE 4)
49: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

49: AUTO-INCREMENT (NO)
49: OUTPUT TO MEMORY CELL (NO)
49: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
FIVE

50: TAB STOP (YES)
50: INPUT TYPE (KEYBOARD)
50: CHARACTER TYPE (PRINTABLE)
50: SECURITY FIELD (NO)
50: OVERRIDE ERROR FIELD (NO)
50: MINIMUM LENGTH (0)
50: EXACT LENGTH TABLE (NO)
50: RANGE (NO)
50: ALLOWABLE ENTRY (NO)
50: SUBSTITUTION (NO)
50: JUSTIFICATION (LEFT)
50: FILL CHARACTER ()
50: FLOAT CHARACTER ()
50: DECIMAL POSITIONS (0)
50: SIGN POSITION (LEADING)
50: AUTO CLOSE (YES)
50: ARITHMETIC OPERATION (NO)
50: AUTO FILL-IN (NO)
50: NEXT PAGE NUMBER (YES - PAGE 5)
50: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

50: AUTO-INCREMENT (NO)
50: OUTPUT TO MEMORY CELL (NO)
50: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
SIX

BIOFORM-01

51: TAB STOP (YES)
51: INPUT TYPE (KEYBOARD)
51: CHARACTER TYPE (PRINTABLE)
51: SECURITY FIELD (NO)
51: OVERRIDE ERROR FIELD (NO)
51: MINIMUM LENGTH (0)
51: EXACT LENGTH TABLE (NO)
51: RANGE (NO)
51: ALLOWABLE ENTRY (NO)
51: SUBSTITUTION (NO)
51: JUSTIFICATION (LEFT)
51: FILL CHARACTER ()
51: FLOAT CHARACTER ()
51: DECIMAL POSITIONS (0)
51: SIGN POSITION (LEADING)
51: AUTO CLOSE (YES)
51: ARITHMETIC OPERATION (NO)
51: AUTO FILL-IN (NO)
51: NEXT PAGE NUMBER (YES - PAGE 6)
51: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X))

51: AUTO-INCREMENT (NO)
51: OUTPUT TO MEMORY CELL (NO)
51: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
SEVEN

52: TAB STOP (YES)
52: INPUT TYPE (KEYBOARD)
52: CHARACTER TYPE (PRINTABLE)
52: SECURITY FIELD (NO)
52: OVERRIDE ERROR FIELD (NO)
52: MINIMUM LENGTH (0)
52: EXACT LENGTH TABLE (NO)
52: RANGE (NO)
52: ALLOWABLE ENTRY (NO)
52: SUBSTITUTION (NO)
52: JUSTIFICATION (LEFT)
52: FILL CHARACTER ()
52: FLOAT CHARACTER ()
52: DECIMAL POSITIONS (0)
52: SIGN POSITION (LEADING)
52: AUTO CLOSE (YES)
52: ARITHMETIC OPERATION (NO)
52: AUTO FILL-IN (NO)
52: NEXT PAGE NUMBER (YES - PAGE 7)
52: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X))

52: AUTO-INCREMENT (NO)
52: OUTPUT TO MEMORY CELL (NO)
52: OUTPUT TO DISKETTE (NO)

BIOFORM-01

LOAD
RECORD TYPE:
EIGHT

53: TAB STOP (YES)
53: INPUT TYPE (KEYBOARD)
53: CHARACTER TYPE (PRINTABLE)
53: SECURITY FIELD (NO)
53: OVERRIDE ERROR FIELD (NO)
53: MINIMUM LENGTH (0)
53: EXACT LENGTH TABLE (NO)
53: RANGE (NO)
53: ALLOWABLE ENTRY (NO)
53: SUBSTITUTION (NO)
53: JUSTIFICATION (LEFT)
53: FILL CHARACTER ()
53: FLOAT CHARACTER ()
53: DECIMAL POSITIONS (0)
53: SIGN POSITION (LEADING)
53: AUTO CLOSE (YES)
53: ARITHMETIC OPERATION (NO)
53: AUTO FILL-IN (NO)
53: NEXT PAGE NUMBER (NO)
53: BRANCHING (NO)

53: AUTO-INCREMENT (NO)
53: OUTPUT TO MEMORY CELL (NO)
53: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
NINE

54: TAB STOP (YES)
54: INPUT TYPE (KEYBOARD)
54: CHARACTER TYPE (PRINTABLE)
54: SECURITY FIELD (NO)
54: OVERRIDE ERROR FIELD (NO)
54: MINIMUM LENGTH (0)
54: EXACT LENGTH TABLE (NO)
54: RANGE (NO)
54: ALLOWABLE ENTRY (NO)
54: SUBSTITUTION (NO)
54: JUSTIFICATION (LEFT)
54: FILL CHARACTER ()
54: FLOAT CHARACTER ()
54: DECIMAL POSITIONS (0)
54: SIGN POSITION (LEADING)
54: AUTO CLOSE (YES)
54: ARITHMETIC OPERATION (NO)
54: AUTO FILL-IN (NO)
54: NEXT PAGE NUMBER (YES - PAGE 3)
54: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X))

54: AUTO-INCREMENT (NO)
54: OUTPUT TO MEMORY CELL (NO)
54: OUTPUT TO DISKETTE (NO)

BIOFORM-02 ATTRIBUTES

ACTION
FIELD

TAB STOP (YES)
 1: INPUT TYPE (KEYBOARD-CONSTANT:)
 1: CHARACTER TYPE (ALPHA)
 1: SECURITY FIELD (NO)
 1: OVERRIDE ERROR FIELD (NO)
 1: MINIMUM LENGTH (0)
 1: EXACT LENGTH TABLE (NO)
 1: RANGE (NO)
 1: ALLOWABLE ENTRY (YES:
 DRIVE: 1 FILE: ACTION)
 1: SUBSTITUTION (NO)
 1: JUSTIFICATION (LEFT)
 1: FILL CHARACTER ()
 1: FLOAT CHARACTER ()
 1: DECIMAL POSITIONS (0)
 1: SIGN POSITION (LEADING)
 1: AUTO CLOSE (YES)
 1: ARITHMETIC OPERATION (NO)
 1: AUTO FILL-IN (NO)
 1: NEXT PAGE NUMBER (NO)
 1: BRANCHING (NO)
 1: AUTO-INCREMENT (NO)
 1: OUTPUT TO MEMORY CELL (NO)
 1: OUTPUT TO DISKETTE (YES)

RECORD
TYPE

2: TAB STOP (YES)
 2: INPUT TYPE (CONSTANT: 2)
 2: CHARACTER TYPE (PRINTABLE)
 2: SECURITY FIELD (NO)
 2: OVERRIDE ERROR FIELD (NO)
 2: MINIMUM LENGTH (0)
 2: EXACT LENGTH TABLE (NO)
 2: RANGE (NO)
 2: ALLOWABLE ENTRY (NO)
 2: SUBSTITUTION (NO)
 2: JUSTIFICATION (LEFT)
 2: FILL CHARACTER ()
 2: FLOAT CHARACTER ()
 2: DECIMAL POSITIONS (0)
 2: SIGN POSITION (LEADING)
 2: AUTO CLOSE (YES)
 2: ARITHMETIC OPERATION (NO)
 2: AUTO FILL-IN (NO)
 2: NEXT PAGE NUMBER (NO)
 2: BRANCHING (NO)
 2: AUTO-INCREMENT (NO)
 2: OUTPUT TO MEMORY CELL (NO)
 2: OUTPUT TO DISKETTE (YES)

BIOFORM-02

SEQUENCE
NO: YEAR

- 3: TAB STOP (YES)
- 3: INPUT TYPE (KEYBOARD-MEMORY CELL # 1)
- 3: CHARACTER TYPE (DIGIT)
- 3: SECURITY FIELD (NO)
- 3: OVERRIDE ERROR FIELD (NO)
- 3: MINIMUM LENGTH (0)
- 3: EXACT LENGTH TABLE (YES:
2)
- 3: RANGE (NO)
- 3: ALLOWABLE ENTRY (NO)
- 3: SUBSTITUTION (NO)
- 3: JUSTIFICATION (LEFT)
- 3: FILL CHARACTER ()
- 3: FLOAT CHARACTER ()
- 3: DECIMAL POSITIONS (0)
- 3: SIGN POSITION (LEADING)
- 3: AUTO CLOSE (YES)
- 3: ARITHMETIC OPERATION (NO)
- 3: AUTO FILL-IN (NO)
- 3: NEXT PAGE NUMBER (NO)
- 3: BRANCHING (NO)
- 3: AUTO-INCREMENT (NO)
- 3: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 1)
- 3: OUTPUT TO DISKETTE (YES)

SEQUENCE
NO: COLLECTION
NO

- 4: TAB STOP (YES)
- 4: INPUT TYPE (KEYBOARD-MEMORY CELL # 2)
- 4: CHARACTER TYPE (DIGIT)
- 4: SECURITY FIELD (NO)
- 4: OVERRIDE ERROR FIELD (NO)
- 4: MINIMUM LENGTH (1)
- 4: EXACT LENGTH TABLE (NO)
- 4: RANGE (NO)
- 4: ALLOWABLE ENTRY (NO)
- 4: SUBSTITUTION (NO)
- 4: JUSTIFICATION (RIGHT)
- 4: FILL CHARACTER (0)
- 4: FLOAT CHARACTER (0)
- 4: DECIMAL POSITIONS (0)
- 4: SIGN POSITION (LEADING)
- 4: AUTO CLOSE (YES)
- 4: ARITHMETIC OPERATION (NO)
- 4: AUTO FILL-IN (NO)
- 4: NEXT PAGE NUMBER (NO)
- 4: BRANCHING (NO)
- 4: AUTO-INCREMENT (NO)
- 4: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 2)
- 4: OUTPUT TO DISKETTE (YES)

BIOFORM-02

REPLICATE

5: TAB STOP (YES)
 5: INPUT TYPE (KEYBOARD)
 5: CHARACTER TYPE (DIGIT)
 5: SECURITY FIELD (NO)
 5: OVERRIDE ERROR FIELD (NO)
 5: MINIMUM LENGTH (1)
 5: EXACT LENGTH TABLE (NO)
 5: RANGE (NO)
 5: ALLOWABLE ENTRY (NO)
 5: SUBSTITUTION (NO)
 5: JUSTIFICATION (RIGHT)
 5: FILL CHARACTER ()
 5: FLOAT CHARACTER (0)
 5: DECIMAL POSITIONS (0)
 5: SIGN POSITION (LEADING)
 5: AUTO CLOSE (YES)
 5: ARITHMETIC OPERATION (NO)
 5: AUTO FILL-IN (NO)
 5: NEXT PAGE NUMBER (NO)
 5: BRANCHING (FIXED LINE: 7 POSITION: 1)
 5: AUTO-INCREMENT (NO)
 5: OUTPUT TO MEMORY CELL (NO)
 5: OUTPUT TO DISKETTE (YES)

SPECIES

6: TAB STOP (YES)
 6: INPUT TYPE (KEYBOARD)
 6: CHARACTER TYPE (PRINTABLE)
 6: SECURITY FIELD (NO)
 6: OVERRIDE ERROR FIELD (NO)
 6: MINIMUM LENGTH (0)
 6: EXACT LENGTH TABLE (NO)
 6: RANGE (NO)
 6: ALLOWABLE ENTRY (NO)
 6: SUBSTITUTION (NO)
 6: JUSTIFICATION (LEFT)
 6: FILL CHARACTER ()
 6: FLOAT CHARACTER ()
 6: DECIMAL POSITIONS (0)
 6: SIGN POSITION (LEADING)
 6: AUTO CLOSE (YES)
 6: ARITHMETIC OPERATION (NO)
 6: AUTO FILL-IN (NO)
 6: NEXT PAGE NUMBER (NO)
 6: BRANCHING (NO)
 6: AUTO-INCREMENT (NO)
 6: OUTPUT TO MEMORY CELL (NO)
 6: OUTPUT TO DISKETTE (YES)

BIOFORM-02

STATUS

7: TAB STOP (YES)
 7: INPUT TYPE (KEYBOARD)
 7: CHARACTER TYPE (PRINTABLE)
 7: SECURITY FIELD (NO)
 7: OVERRIDE ERROR FIELD (NO)
 7: MINIMUM LENGTH (0)
 7: EXACT LENGTH TABLE (NO)
 7: RANGE (NO)
 7: ALLOWABLE ENTRY (NO)
 7: SUBSTITUTION (NO)
 7: JUSTIFICATION (LEFT)
 7: FILL CHARACTER ()
 7: FLOAT CHARACTER ()
 7: DECIMAL POSITIONS (0)
 7: SIGN POSITION (LEADING)
 7: AUTO CLOSE (YES)
 7: ARITHMETIC OPERATION (NO)
 7: AUTO FILL-IN (NO)
 7: NEXT PAGE NUMBER (NO)
 7: BRANCHING (NO)
 7: AUTO-INCREMENT (NO)
 7: OUTPUT TO MEMORY CELL (NO)
 7: OUTPUT TO DISKETTE (YES)

LINE
 NUMBER

8: TAB STOP (YES)
 8: INPUT TYPE (KEYBOARD)
 8: CHARACTER TYPE (PRINTABLE)
 8: SECURITY FIELD (NO)
 8: OVERRIDE ERROR FIELD (NO)
 8: MINIMUM LENGTH (0)
 8: EXACT LENGTH TABLE (NO)
 8: RANGE (NO)
 8: ALLOWABLE ENTRY (NO)
 8: SUBSTITUTION (NO)
 8: JUSTIFICATION (LEFT)
 8: FILL CHARACTER ()
 8: FLOAT CHARACTER ()
 8: DECIMAL POSITIONS (0)
 8: SIGN POSITION (LEADING)
 8: AUTO CLOSE (YES)
 8: ARITHMETIC OPERATION (NO)
 8: AUTO FILL-IN (NO)
 8: NEXT PAGE NUMBER (NO)
 8: BRANCHING (NO)
 8: AUTO-INCREMENT (NO)
 8: OUTPUT TO MEMORY CELL (NO)
 8: OUTPUT TO DISKETTE (YES)

BIOFORM-02

COLLECTION
SIZE

9: TAB STOP (YES)
 9: INPUT TYPE (KEYBOARD)
 9: CHARACTER TYPE (PRINTABLE)
 9: SECURITY FIELD (NO)
 9: OVERRIDE ERROR FIELD (YES)
 9: MINIMUM LENGTH (1)
 9: EXACT LENGTH TABLE (NO)
 9: RANGE (NO)
 9: ALLOWABLE ENTRY (NO)
 9: SUBSTITUTION (YES - RAM:
 ..999999;)
 9: JUSTIFICATION (RIGHT)
 9: FILL CHARACTER (0)
 9: FLOAT CHARACTER (0)
 9: DECIMAL POSITIONS (0)
 9: SIGN POSITION (LEADING)
 9: AUTO CLOSE (YES)
 9: ARITHMETIC OPERATION (NO)
 9: AUTO FILL-IN (NO)
 9: NEXT PAGE NUMBER (NO)
 9: BRANCHING (NO)
 9: AUTO-INCREMENT (NO)
 9: OUTPUT TO MEMORY CELL (NO)
 9: OUTPUT TO DISKETTE (YES)

SAMPLE
SIZE

10: TAB STOP (YES)
 10: INPUT TYPE (KEYBOARD)
 10: CHARACTER TYPE (PRINTABLE)
 10: SECURITY FIELD (NO)
 10: OVERRIDE ERROR FIELD (YES)
 10: MINIMUM LENGTH (1)
 10: EXACT LENGTH TABLE (NO)
 10: RANGE (NO)
 10: ALLOWABLE ENTRY (NO)
 10: SUBSTITUTION (YES - RAM:
 ..999999;)
 10: JUSTIFICATION (RIGHT)
 10: FILL CHARACTER (0)
 10: FLOAT CHARACTER (0)
 10: DECIMAL POSITIONS (0)
 10: SIGN POSITION (LEADING)
 10: AUTO CLOSE (YES)
 10: ARITHMETIC OPERATION (NO)
 10: AUTO FILL-IN (NO)
 10: NEXT PAGE NUMBER (NO)
 10: BRANCHING (NO)
 10: AUTO-INCREMENT (NO)
 10: OUTPUT TO MEMORY CELL (NO)
 10: OUTPUT TO DISKETTE (YES)

BIOFORM-02

NUMBER
OF
RECORD
TYPE
III'S

11: TAB STOP (YES)
 11: INPUT TYPE (KEYBOARD)
 11: CHARACTER TYPE (DIGIT)
 11: SECURITY FIELD (NO)
 11: OVERRIDE ERROR FIELD (YES)
 11: MINIMUM LENGTH (1)
 11: EXACT LENGTH TABLE (NO)
 11: RANGE (YES:
 FROM: 00 TO: 30)
 11: ALLOWABLE ENTRY (NO)
 11: SUBSTITUTION (NO)
 11: JUSTIFICATION (RIGHT)
 11: FILL CHARACTER (0)
 11: FLOAT CHARACTER (0)
 11: DECIMAL POSITIONS (0)
 11: SIGN POSITION (LEADING)
 11: AUTO CLOSE (YES)
 11: ARITHMETIC OPERATION (NO)
 11: AUTO FILL-IN (NO)
 11: NEXT PAGE NUMBER (NO)
 11: BRANCHING (NO)
 11: AUTO-INCREMENT (NO)
 11: OUTPUT TO MEMORY CELL (NO)
 11: OUTPUT TO DISKETTE (YES)

QUALITY

12: TAB STOP (YES)
 12: INPUT TYPE (KEYBOARD-CONSTANT: 0)
 12: CHARACTER TYPE (DIGIT)
 12: SECURITY FIELD (NO)
 12: OVERRIDE ERROR FIELD (YES)
 12: MINIMUM LENGTH (0)
 12: EXACT LENGTH TABLE (NO)
 12: RANGE (YES:
 FROM: 0 TO: 4)
 12: ALLOWABLE ENTRY (NO)
 12: SUBSTITUTION (NO)
 12: JUSTIFICATION (LEFT)
 12: FILL CHARACTER ()
 12: FLOAT CHARACTER ()
 12: DECIMAL POSITIONS (0)
 12: SIGN POSITION (LEADING)
 12: AUTO CLOSE (YES)
 12: ARITHMETIC OPERATION (NO)
 12: AUTO FILL-IN (NO)
 12: NEXT PAGE NUMBER (NO)
 12: BRANCHING (FIXED LINE: 17 POSITION: 1)
 12: AUTO-INCREMENT (NO)
 12: OUTPUT TO MEMORY CELL (NO)
 12: OUTPUT TO DISKETTE (YES)

BIOFORM-02

FILL

TAB STOP (YES)
13: INPUT TYPE (CONSTANT:)
13: CHARACTER TYPE (PRINTABLE)
13: SECURITY FIELD (NO)
13: OVERRIDE ERROR FIELD (NO)
13: MINIMUM LENGTH (0)
13: EXACT LENGTH TABLE (NO)
13: RANGE (NO)
13: ALLOWABLE ENTRY (NO)
13: SUBSTITUTION (NO)
13: JUSTIFICATION (LEFT)
13: FILL CHARACTER ()
13: FLOAT CHARACTER ()
13: DECIMAL POSITIONS (0)
13: SIGN POSITION (LEADING)
13: AUTO CLOSE (YES)
13: ARITHMETIC OPERATION (NO)
13: AUTO FILL-IN (NO)
13: NEXT PAGE NUMBER (NO)
13: BRANCHING (NO)
13: AUTO-INCREMENT (NO)
13: OUTPUT TO MEMORY CELL (NO)
13: OUTPUT TO DISKETTE (YES)

FILL

TAB STOP (YES)
14: INPUT TYPE (CONSTANT:)
14: CHARACTER TYPE (PRINTABLE)
14: SECURITY FIELD (NO)
14: OVERRIDE ERROR FIELD (NO)
14: MINIMUM LENGTH (0)
14: EXACT LENGTH TABLE (NO)
14: RANGE (NO)
14: ALLOWABLE ENTRY (NO)
14: SUBSTITUTION (NO)
14: JUSTIFICATION (LEFT)
14: FILL CHARACTER ()
14: FLOAT CHARACTER ()
14: DECIMAL POSITIONS (0)
14: SIGN POSITION (LEADING)
14: AUTO CLOSE (YES)
14: ARITHMETIC OPERATION (NO)
14: AUTO FILL-IN (NO)
14: NEXT PAGE NUMBER (NO)
14: BRANCHING (NO)
14: AUTO-INCREMENT (NO)
14: OUTPUT TO MEMORY CELL (NO)
14: OUTPUT TO DISKETTE (YES)

BIOFORM-02

LOAD
RECORD TYPE:
ONE

15: TAB STOP (YES)
15: INPUT TYPE (KEYBOARD)
15: CHARACTER TYPE (PRINTABLE)
15: SECURITY FIELD (NO)
15: OVERRIDE ERROR FIELD (NO)
15: MINIMUM LENGTH (0)
15: EXACT LENGTH TABLE (NO)
15: RANGE (NO)
15: ALLOWABLE ENTRY (NO)
15: SUBSTITUTION (NO)
15: JUSTIFICATION (LEFT)
15: FILL CHARACTER ()
15: FLOAT CHARACTER ()
15: DECIMAL POSITIONS (0)
15: SIGN POSITION (LEADING)
15: AUTO CLOSE (YES)
15: ARITHMETIC OPERATION (NO)
15: AUTO FILL-IN (NO)
15: NEXT PAGE NUMBER (YES - PAGE 1)
15: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

15: AUTO-INCREMENT (NO)
15: OUTPUT TO MEMORY CELL (NO)
15: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
TWO

16: TAB STOP (YES)
16: INPUT TYPE (KEYBOARD)
16: CHARACTER TYPE (PRINTABLE)
16: SECURITY FIELD (NO)
16: OVERRIDE ERROR FIELD (NO)
16: MINIMUM LENGTH (0)
16: EXACT LENGTH TABLE (NO)
16: RANGE (NO)
16: ALLOWABLE ENTRY (NO)
16: SUBSTITUTION (NO)
16: JUSTIFICATION (LEFT)
16: FILL CHARACTER ()
16: FLOAT CHARACTER ()
16: DECIMAL POSITIONS (0)
16: SIGN POSITION (LEADING)
16: AUTO CLOSE (YES)
16: ARITHMETIC OPERATION (NO)
16: AUTO FILL-IN (NO)
16: NEXT PAGE NUMBER (YES - PAGE 2)
16: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

16: AUTO-INCREMENT (NO)
16: OUTPUT TO MEMORY CELL (NO)
16: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
THREE

BIOFORM-02

17: TAB STOP (YES)
17: INPUT TYPE (KEYBOARD)
17: CHARACTER TYPE (PRINTABLE)
17: SECURITY FIELD (NO)
17: OVERRIDE ERROR FIELD (NO)
17: MINIMUM LENGTH (0)
17: EXACT LENGTH TABLE (NO)
17: RANGE (NO)
17: ALLOWABLE ENTRY (NO)
17: SUBSTITUTION (NO)
17: JUSTIFICATION (LEFT)
17: FILL CHARACTER ()
17: FLOAT CHARACTER ()
17: DECIMAL POSITIONS (0)
17: SIGN POSITION (LEADING)
17: AUTO CLOSE (YES)
17: ARITHMETIC OPERATION (NO)
17: AUTO FILL-IN (NO)
17: NEXT PAGE NUMBER (YES - PAGE 3)
17: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X;))

17: AUTO-INCREMENT (NO)
17: OUTPUT TO MEMORY CELL (NO)
17: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
FOUR

18: TAB STOP (YES)
18: INPUT TYPE (KEYBOARD)
18: CHARACTER TYPE (PRINTABLE)
18: SECURITY FIELD (NO)
18: OVERRIDE ERROR FIELD (NO)
18: MINIMUM LENGTH (0)
18: EXACT LENGTH TABLE (NO)
18: RANGE (NO)
18: ALLOWABLE ENTRY (NO)
18: SUBSTITUTION (NO)
18: JUSTIFICATION (LEFT)
18: FILL CHARACTER ()
18: FLOAT CHARACTER ()
18: DECIMAL POSITIONS (0)
18: SIGN POSITION (LEADING)
18: AUTO CLOSE (YES)
18: ARITHMETIC OPERATION (NO)
18: AUTO FILL-IN (NO)
18: NEXT PAGE NUMBER (YES - PAGE 4)
18: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X;))

18: AUTO-INCREMENT (NO)
18: OUTPUT TO MEMORY CELL (NO)
18: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
FIVE

BIOFORM-02

19: TAB STOP (YES)
19: INPUT TYPE (KEYBOARD)
19: CHARACTER TYPE (PRINTABLE)
19: SECURITY FIELD (NO)
19: OVERRIDE ERROR FIELD (NO)
19: MINIMUM LENGTH (0)
19: EXACT LENGTH TABLE (NO)
19: RANGE (NO)
19: ALLOWABLE ENTRY (NO)
19: SUBSTITUTION (NO)
19: JUSTIFICATION (LEFT)
19: FILL CHARACTER ()
19: FLOAT CHARACTER ()
19: DECIMAL POSITIONS (0)
19: SIGN POSITION (LEADING)
19: AUTO CLOSE (YES)
19: ARITHMETIC OPERATION (NO)
19: AUTO FILL-IN (NO)
19: NEXT PAGE NUMBER (YES - PAGE 5)
19: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

LOAD
RECORD TYPE:
SIX

19: AUTO-INCREMENT (NO)
19: OUTPUT TO MEMORY CELL (NO)
19: OUTPUT TO DISKETTE (NO)

20: TAB STOP (YES)
20: INPUT TYPE (KEYBOARD)
20: CHARACTER TYPE (PRINTABLE)
20: SECURITY FIELD (NO)
20: OVERRIDE ERROR FIELD (NO)
20: MINIMUM LENGTH (0)
20: EXACT LENGTH TABLE (NO)
20: RANGE (NO)
20: ALLOWABLE ENTRY (NO)
20: SUBSTITUTION (NO)
20: JUSTIFICATION (LEFT)
20: FILL CHARACTER ()
20: FLOAT CHARACTER ()
20: DECIMAL POSITIONS (0)
20: SIGN POSITION (LEADING)
20: AUTO CLOSE (YES)
20: ARITHMETIC OPERATION (NO)
20: AUTO FILL-IN (NO)
20: NEXT PAGE NUMBER (YES - PAGE 6)
20: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

20: AUTO-INCREMENT (NO)
20: OUTPUT TO MEMORY CELL (NO)
20: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
SEVEN

BIOFORM-02

21: TAB STOP (YES)
21: INPUT TYPE (KEYBOARD)
21: CHARACTER TYPE (PRINTABLE)
21: SECURITY FIELD (NO)
21: OVERRIDE ERROR FIELD (NO)
21: MINIMUM LENGTH (0)
21: EXACT LENGTH TABLE (NO)
21: RANGE (NO)
21: ALLOWABLE ENTRY (NO)
21: SUBSTITUTION (NO)
21: JUSTIFICATION (LEFT)
21: FILL CHARACTER ()
21: FLOAT CHARACTER ()
21: DECIMAL POSITIONS (0)
21: SIGN POSITION (LEADING)
21: AUTO CLOSE (YES)
21: ARITHMETIC OPERATION (NO)
21: AUTO FILL-IN (NO)
21: NEXT PAGE NUMBER (YES - PAGE 7)
21: BRANCHING (TEST LINE: 23 POSITION:80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

21: AUTO-INCREMENT (NO)
21: OUTPUT TO MEMORY CELL (NO)
21: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
EIGHT

22: TAB STOP (YES)
22: INPUT TYPE (KEYBOARD)
22: CHARACTER TYPE (PRINTABLE)
22: SECURITY FIELD (NO)
22: OVERRIDE ERROR FIELD (NO)
22: MINIMUM LENGTH (0)
22: EXACT LENGTH TABLE (NO)
22: RANGE (NO)
22: ALLOWABLE ENTRY (NO)
22: SUBSTITUTION (NO)
22: JUSTIFICATION (LEFT)
22: FILL CHARACTER ()
22: FLOAT CHARACTER ()
22: DECIMAL POSITIONS (0)
22: SIGN POSITION (LEADING)
22: AUTO CLOSE (YES)
22: ARITHMETIC OPERATION (NO)
22: AUTO FILL-IN (NO)
22: NEXT PAGE NUMBER (NO)
22: BRANCHING (NO)

22: AUTO-INCREMENT (NO)
22: OUTPUT TO MEMORY CELL (NO)
22: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
NINE

BIOFORM-02

23: TAB STOP (YES)
23: INPUT TYPE (CONSTANT: X)
23: CHARACTER TYPE (PRINTABLE)
23: SECURITY FIELD (NO)
23: OVERRIDE ERROR FIELD (NO)
23: MINIMUM LENGTH (0)
23: EXACT LENGTH TABLE (NO)
23: RANGE (NO)
23: ALLOWABLE ENTRY (NO)
23: SUBSTITUTION (NO)
23: JUSTIFICATION (LEFT)
23: FILL CHARACTER ()
23: FLOAT CHARACTER ()
23: DECIMAL POSITIONS (0)
23: SIGN POSITION (LEADING)
23: AUTO CLOSE (YES)
23: ARITHMETIC OPERATION (NO)
23: AUTO FILL-IN (NO)
23: NEXT PAGE NUMBER (YES - PAGE 3)
23: BRANCHING (TEST LINE: 18 POSITION: 78:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X;))

23: AUTO-INCREMENT (NO)
23: OUTPUT TO MEMORY CELL (NO)
23: OUTPUT TO DISKETTE (NO)

BIOFORM-03 ATTRIBUTES

ACTION
FIELD

TAB STOP (YES)
 1: INPUT TYPE (KEYBOARD-CONSTANT:)
 1: CHARACTER TYPE (ALPHA)
 1: SECURITY FIELD (NO)
 1: OVERRIDE ERROR FIELD (NO)
 1: MINIMUM LENGTH (0)
 1: EXACT LENGTH TABLE (NO)
 1: RANGE (NO)
 1: ALLOWABLE ENTRY (YES:
 DRIVE: 1 FILE: ACTION)
 1: SUBSTITUTION (NO)
 1: JUSTIFICATION (LEFT)
 1: FILL CHARACTER ()
 1: FLOAT CHARACTER ()
 1: DECIMAL POSITIONS (0)
 1: SIGN POSITION (LEADING)
 1: AUTO CLOSE (YES)
 1: ARITHMETIC OPERATION (NO)
 1: AUTO FILL-IN (NO)
 1: NEXT PAGE NUMBER (NO)
 1: BRANCHING (NO)
 1: AUTO-INCREMENT (NO)
 1: OUTPUT TO MEMORY CELL (NO)
 1: OUTPUT TO DISKETTE (YES)

RECORD
TYPE

2: TAB STOP (YES)
 2: INPUT TYPE (CONSTANT: 3)
 2: CHARACTER TYPE (PRINTABLE)
 2: SECURITY FIELD (NO)
 2: OVERRIDE ERROR FIELD (NO)
 2: MINIMUM LENGTH (0)
 2: EXACT LENGTH TABLE (NO)
 2: RANGE (NO)
 2: ALLOWABLE ENTRY (NO)
 2: SUBSTITUTION (NO)
 2: JUSTIFICATION (LEFT)
 2: FILL CHARACTER ()
 2: FLOAT CHARACTER ()
 2: DECIMAL POSITIONS (0)
 2: SIGN POSITION (LEADING)
 2: AUTO CLOSE (YES)
 2: ARITHMETIC OPERATION (NO)
 2: AUTO FILL-IN (NO)
 2: NEXT PAGE NUMBER (NO)
 2: BRANCHING (NO)
 2: AUTO-INCREMENT (NO)
 2: OUTPUT TO MEMORY CELL (NO)
 2: OUTPUT TO DISKETTE (YES)

BIOFORM-03

SEQUENCE
NO: YEAR

3: TAB STOP (YES)
3: INPUT TYPE (KEYBOARD-MEMORY CELL # 1)
3: CHARACTER TYPE (DIGIT)
3: SECURITY FIELD (NO)
3: OVERRIDE ERROR FIELD (NO)
3: MINIMUM LENGTH (8)
3: EXACT LENGTH TABLE (YES:
2)
3: RANGE (NO)
3: ALLOWABLE ENTRY (NO)
3: SUBSTITUTION (NO)
3: JUSTIFICATION (LEFT)
3: FILL CHARACTER ()
3: FLOAT CHARACTER ()
3: DECIMAL POSITIONS (0)
3: SIGN POSITION (LEADING)
3: AUTO CLOSE (YES)
3: ARITHMETIC OPERATION (NO)
3: AUTO FILL-IN (NO)
3: NEXT PAGE NUMBER (NO)
3: BRANCHING (NO)
3: AUTO-INCREMENT (NO)
3: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 1)
3: OUTPUT TO DISKETTE (YES)

SEQUENCE
NO: COLLECTION
NO

4: TAB STOP (YES)
4: INPUT TYPE (KEYBOARD-MEMORY CELL # 2)
4: CHARACTER TYPE (DIGIT)
4: SECURITY FIELD (NO)
4: OVERRIDE ERROR FIELD (NO)
4: MINIMUM LENGTH (1)
4: EXACT LENGTH TABLE (NO)
4: RANGE (NO)
4: ALLOWABLE ENTRY (NO)
4: SUBSTITUTION (NO)
4: JUSTIFICATION (RIGHT)
4: FILL CHARACTER ()
4: FLOAT CHARACTER ()
4: DECIMAL POSITIONS (0)
4: SIGN POSITION (LEADING)
4: AUTO CLOSE (YES)
4: ARITHMETIC OPERATION (NO)
4: AUTO FILL-IN (NO)
4: NEXT PAGE NUMBER (NO)
4: BRANCHING (NO)
4: AUTO-INCREMENT (NO)
4: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 2)
4: OUTPUT TO DISKETTE (YES)

BIOFORM-03

REPLICATE

5: TAB STOP (YES)
 5: INPUT TYPE (KEYBOARD)
 5: CHARACTER TYPE (DIGIT)
 5: SECURITY FIELD (NO)
 5: OVERRIDE ERROR FIELD (NO)
 5: MINIMUM LENGTH (1)
 5: EXACT LENGTH TABLE (NO)
 5: RANGE (NO)
 5: ALLOWABLE ENTRY (NO)
 5: SUBSTITUTION (NO)
 5: JUSTIFICATION (RIGHT)
 5: FILL CHARACTER (0)
 5: FLOAT CHARACTER (0)
 5: DECIMAL POSITIONS (0)
 5: SIGN POSITION (LEADING)
 5: AUTO CLOSE (YES)
 5: ARITHMETIC OPERATION (NO)
 5: AUTO FILL-IN (NO)
 5: NEXT PAGE NUMBER (NO)
 5: BRANCHING (NO)
 5: AUTO-INCREMENT (NO)
 5: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 3)
 5: OUTPUT TO DISKETTE (YES)

SPECIES

6: TAB STOP (YES)
 6: INPUT TYPE (KEYBOARD)
 6: CHARACTER TYPE (DIGIT)
 6: SECURITY FIELD (NO)
 6: OVERRIDE ERROR FIELD (NO)
 6: MINIMUM LENGTH (0)
 6: EXACT LENGTH TABLE (YES:
 10)
 6: RANGE (NO)
 6: ALLOWABLE ENTRY (NO)
 6: SUBSTITUTION (NO)
 6: JUSTIFICATION (LEFT)
 6: FILL CHARACTER ()
 6: FLOAT CHARACTER ()
 6: DECIMAL POSITIONS (0)
 6: SIGN POSITION (LEADING)
 6: AUTO CLOSE (YES)
 6: ARITHMETIC OPERATION (NO)
 6: AUTO FILL-IN (NO)
 6: NEXT PAGE NUMBER (NO)
 6: BRANCHING (NO)
 6: AUTO-INCREMENT (NO)
 6: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 4)
 6: OUTPUT TO DISKETTE (YES)

BIOFORM-03

STATUS

7: TAB STOP (YES)
 7: INPUT TYPE (KEYBOARD-CONSTANT: 0)
 7: CHARACTER TYPE (DIGIT)
 7: SECURITY FIELD (NO)
 7: OVERRIDE ERROR FIELD (NO)
 7: MINIMUM LENGTH (1)
 7: EXACT LENGTH TABLE (NO)
 7: RANGE (YES:
 FROM: 0 TO: 4)
 7: ALLOWABLE ENTRY (NO)
 7: SUBSTITUTION (YES - RAM:
 ,0;)
 7: JUSTIFICATION (LEFT)
 7: FILL CHARACTER ()
 7: FLOAT CHARACTER ()
 7: DECIMAL POSITIONS (0)
 7: SIGN POSITION (LEADING)
 7: AUTO CLOSE (YES)
 7: ARITHMETIC OPERATION (NO)
 7: AUTO FILL-IN (NO)
 7: NEXT PAGE NUMBER (NO)
 7: BRANCHING (FIXED LINE: 7 POSITION: 1)
 7: AUTO-INCREMENT (NO)
 7: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 5)
 7: OUTPUT TO DISKETTE (YES)



LINE
 NUMBER

8: TAB STOP (YES)
 8: INPUT TYPE (KEYBOARD)
 8: CHARACTER TYPE (PRINTABLE)
 8: SECURITY FIELD (NO)
 8: OVERRIDE ERROR FIELD (NO)
 8: MINIMUM LENGTH (0)
 8: EXACT LENGTH TABLE (NO)
 8: RANGE (NO)
 8: ALLOWABLE ENTRY (NO)
 8: SUBSTITUTION (NO)
 8: JUSTIFICATION (LEFT)
 8: FILL CHARACTER ()
 8: FLOAT CHARACTER ()
 8: DECIMAL POSITIONS (0)
 8: SIGN POSITION (LEADING)
 8: AUTO CLOSE (YES)
 8: ARITHMETIC OPERATION (NO)
 8: AUTO FILL-IN (NO)
 8: NEXT PAGE NUMBER (NO)
 8: BRANCHING (NO)
 8: AUTO-INCREMENT (NO)
 8: OUTPUT TO MEMORY CELL (NO)
 8: OUTPUT TO DISKETTE (YES)

BIOFORM-03

COLLECTION
NUMBER

9: TAB STOP (YES)
 9: INPUT TYPE (KEYBOARD)
 9: CHARACTER TYPE (PRINTABLE)
 9: SECURITY FIELD (NO)
 9: OVERRIDE ERROR FIELD (YES)
 9: MINIMUM LENGTH (1)
 9: EXACT LENGTH TABLE (NO)
 9: RANGE (NO)
 9: ALLOWABLE ENTRY (NO)
 9: SUBSTITUTION (YES - RAM:
 .,99999;)
 9: JUSTIFICATION (RIGHT)
 9: FILL CHARACTER (0)
 9: FLOAT CHARACTER (0)
 9: DECIMAL POSITIONS (0)
 9: SIGN POSITION (LEADING)
 9: AUTO CLOSE (YES)
 9: ARITHMETIC OPERATION (NO)
 9: AUTO FILL-IN (NO)
 9: NEXT PAGE NUMBER (NO)
 9: BRANCHING (NO)
 9: AUTO-INCREMENT (NO)
 9: OUTPUT TO MEMORY CELL (NO)
 9: OUTPUT TO DISKETTE (YES)

COLLECTION
WEIGHT

10: TAB STOP (YES)
 10: INPUT TYPE (KEYBOARD)
 10: CHARACTER TYPE (PRINTABLE)
 10: SECURITY FIELD (NO)
 10: OVERRIDE ERROR FIELD (YES)
 10: MINIMUM LENGTH (1)
 10: EXACT LENGTH TABLE (NO)
 10: RANGE (NO)
 10: ALLOWABLE ENTRY (NO)
 10: SUBSTITUTION (YES - RAM:
 .,999999;)
 10: JUSTIFICATION (RIGHT)
 10: FILL CHARACTER (0)
 10: FLOAT CHARACTER (0)
 10: DECIMAL POSITIONS (0)
 10: SIGN POSITION (LEADING)
 10: AUTO CLOSE (YES)
 10: ARITHMETIC OPERATION (NO)
 10: AUTO FILL-IN (NO)
 10: NEXT PAGE NUMBER (NO)
 10: BRANCHING (NO)
 10: AUTO-INCREMENT (NO)
 10: OUTPUT TO MEMORY CELL (NO)
 10: OUTPUT TO DISKETTE (YES)

BIOFORM-03

SAMPLE
NUMBER

11: TAB STOP (YES)
 11: INPUT TYPE (KEYBOARD-FIELD # 9)
 11: CHARACTER TYPE (DIGIT)
 11: SECURITY FIELD (NO)
 11: OVERRIDE ERROR FIELD (YES)
 11: MINIMUM LENGTH (1)
 11: EXACT LENGTH TABLE (NO)
 11: RANGE (NO)
 11: ALLOWABLE ENTRY (NO)
 11: SUBSTITUTION (YES - RAM:
 .,99999;)
 11: JUSTIFICATION (RIGHT)
 11: FILL CHARACTER (0)
 11: FLOAT CHARACTER (0)
 11: DECIMAL POSITIONS (0)
 11: SIGN POSITION (LEADING)
 11: AUTO CLOSE (YES)
 11: ARITHMETIC OPERATION (NO)
 11: AUTO FILL-IN (NO)
 11: NEXT PAGE NUMBER (NO)
 11: BRANCHING (NO)
 11: AUTO-INCREMENT (NO)
 11: OUTPUT TO MEMORY CELL (NO)
 11: OUTPUT TO DISKETTE (YES)

SAMPLE
WEIGHT

12: TAB STOP (YES)
 12: INPUT TYPE (KEYBOARD-FIELD # 10)
 12: CHARACTER TYPE (PRINTABLE)
 12: SECURITY FIELD (NO)
 12: OVERRIDE ERROR FIELD (YES)
 12: MINIMUM LENGTH (1)
 12: EXACT LENGTH TABLE (NO)
 12: RANGE (NO)
 12: ALLOWABLE ENTRY (NO)
 12: SUBSTITUTION (YES - RAM:
 .,999999;)
 12: JUSTIFICATION (RIGHT)
 12: FILL CHARACTER (0)
 12: FLOAT CHARACTER (0)
 12: DECIMAL POSITIONS (0)
 12: SIGN POSITION (LEADING)
 12: AUTO CLOSE (YES)
 12: ARITHMETIC OPERATION (NO)
 12: AUTO FILL-IN (NO)
 12: NEXT PAGE NUMBER (NO)
 12: BRANCHING (NO)
 12: AUTO-INCREMENT (NO)
 12: OUTPUT TO MEMORY CELL (NO)
 12: OUTPUT TO DISKETTE (YES)

BIOFORM-03

SUBSAMPLE
NUMBER

13: TAB STOP (YES)
 13: INPUT TYPE (KEYBOARD-FIELD # 11)
 13: CHARACTER TYPE (DIGIT)
 13: SECURITY FIELD (NO)
 13: OVERRIDE ERROR FIELD (YES)
 13: MINIMUM LENGTH (1)
 13: EXACT LENGTH TABLE (NO)
 13: RANGE (NO)
 13: ALLOWABLE ENTRY (NO)
 13: SUBSTITUTION (YES - RAM:
 .,99999;)
 13: JUSTIFICATION (RIGHT)
 13: FILL CHARACTER (0)
 13: FLOAT CHARACTER (0)
 13: DECIMAL POSITIONS (0)
 13: SIGN POSITION (LEADING)
 13: AUTO CLOSE (YES)
 13: ARITHMETIC OPERATION (NO)
 13: AUTO FILL-IN (NO)
 13: NEXT PAGE NUMBER (NO)
 13: BRANCHING (NO)
 13: AUTO-INCREMENT (NO)
 13: OUTPUT TO MEMORY CELL (NO)
 13: OUTPUT TO DISKETTE (YES)

SUBSAMPLE
WEIGHT

14: TAB STOP (YES)
 14: INPUT TYPE (KEYBOARD-FIELD # 12)
 14: CHARACTER TYPE (PRINTABLE)
 14: SECURITY FIELD (NO)
 14: OVERRIDE ERROR FIELD (YES)
 14: MINIMUM LENGTH (1)
 14: EXACT LENGTH TABLE (NO)
 14: RANGE (NO)
 14: ALLOWABLE ENTRY (NO)
 14: SUBSTITUTION (YES - RAM:
 .,999999;)
 14: JUSTIFICATION (RIGHT)
 14: FILL CHARACTER (0)
 14: FLOAT CHARACTER (0)
 14: DECIMAL POSITIONS (0)
 14: SIGN POSITION (LEADING)
 14: AUTO CLOSE (YES)
 14: ARITHMETIC OPERATION (NO)
 14: AUTO FILL-IN (NO)
 14: NEXT PAGE NUMBER (NO)
 14: BRANCHING (NO)
 14: AUTO-INCREMENT (NO)
 14: OUTPUT TO MEMORY CELL (NO)
 14: OUTPUT TO DISKETTE (YES)

BIOFORM-03

FORM
OF
RECORD
TYPE
FOUR

15: TAB STOP (YES)
 15: INPUT TYPE (KEYBOARD)
 15: CHARACTER TYPE (DIGIT)
 15: SECURITY FIELD (NO)
 15: OVERRIDE ERROR FIELD (NO)
 15: MINIMUM LENGTH (1)
 15: EXACT LENGTH TABLE (NO)
 15: RANGE (NO)
 15: ALLOWABLE ENTRY (NO)
 15: SUBSTITUTION (NO)
 15: JUSTIFICATION (LEFT)
 15: FILL CHARACTER ()
 15: FLOAT CHARACTER ()
 15: DECIMAL POSITIONS (0)
 15: SIGN POSITION (LEADING)
 15: AUTO CLOSE (YES)
 15: ARITHMETIC OPERATION (NO)
 15: AUTO FILL-IN (NO)
 15: NEXT PAGE NUMBER (NO)
 15: BRANCHING (NO)
 15: AUTO-INCREMENT (NO)
 15: OUTPUT TO MEMORY CELL (NO)
 15: OUTPUT TO DISKETTE (YES)

TAG TYPE

16: TAB STOP (YES)
 16: INPUT TYPE (KEYBOARD)
 16: CHARACTER TYPE (ALPHA)
 16: SECURITY FIELD (NO)
 16: OVERRIDE ERROR FIELD (YES)
 16: MINIMUM LENGTH (0)
 16: EXACT LENGTH TABLE (NO)
 16: RANGE (NO)
 16: ALLOWABLE ENTRY (NO)
 16: SUBSTITUTION (NO)
 16: JUSTIFICATION (LEFT)
 16: FILL CHARACTER ()
 16: FLOAT CHARACTER ()
 16: DECIMAL POSITIONS (0)
 16: SIGN POSITION (LEADING)
 16: AUTO CLOSE (YES)
 16: ARITHMETIC OPERATION (NO)
 16: AUTO FILL-IN (NO)
 16: NEXT PAGE NUMBER (NO)
 16: BRANCHING (NO)
 16: AUTO-INCREMENT (NO)
 16: OUTPUT TO MEMORY CELL (NO)
 16: OUTPUT TO DISKETTE (YES)

BIOFORM-03

NUMBER
TAGGED

17: TAB STOP (YES)
 17: INPUT TYPE (KEYBOARD)
 17: CHARACTER TYPE (DIGIT)
 17: SECURITY FIELD (NO)
 17: OVERRIDE ERROR FIELD (YES)
 17: MINIMUM LENGTH (0)
 17: EXACT LENGTH TABLE (NO)
 17: RANGE (NO)
 17: ALLOWABLE ENTRY (NO)
 17: SUBSTITUTION (NO)
 17: JUSTIFICATION (RIGHT)
 17: FILL CHARACTER ()
 17: FLOAT CHARACTER ()
 17: DECIMAL POSITIONS (0)
 17: SIGN POSITION (LEADING)
 17: AUTO CLOSE (YES)
 17: ARITHMETIC OPERATION (NO)
 17: AUTO FILL-IN (NO)
 17: NEXT PAGE NUMBER (NO)
 17: BRANCHING (NO)

17: AUTO-INCREMENT (NO)
 17: OUTPUT TO MEMORY CELL (YES)
 17: OUTPUT TO DISKETTE (NO)

TAG
TYPE

18: TAB STOP (YES)
 18: INPUT TYPE (KEYBOARD)
 18: CHARACTER TYPE (ALPHA)
 18: SECURITY FIELD (NO)
 18: OVERRIDE ERROR FIELD (YES)
 18: MINIMUM LENGTH (0)
 18: EXACT LENGTH TABLE (NO)
 18: RANGE (NO)
 18: ALLOWABLE ENTRY (NO)
 18: SUBSTITUTION (NO)
 18: JUSTIFICATION (LEFT)
 18: FILL CHARACTER ()
 18: FLOAT CHARACTER ()
 18: DECIMAL POSITIONS (0)
 18: SIGN POSITION (LEADING)
 18: AUTO CLOSE (YES)
 18: ARITHMETIC OPERATION (NO)
 18: AUTO FILL-IN (NO)
 18: NEXT PAGE NUMBER (NO)
 18: BRANCHING (NO)

18: AUTO-INCREMENT (NO)
 18: OUTPUT TO MEMORY CELL (NO)
 18: OUTPUT TO DISKETTE (YES)

NUMBER
TAGGED

BIOFORM-03

19: TAB STOP (YES)
19: INPUT TYPE (KEYBOARD)
19: CHARACTER TYPE (DIGIT)
19: SECURITY FIELD (NO)
19: OVERRIDE ERROR FIELD (YES)
19: MINIMUM LENGTH (0)
19: EXACT LENGTH TABLE (NO)
19: RANGE (NO)
19: ALLOWABLE ENTRY (NO)
19: SUBSTITUTION (NO)
19: JUSTIFICATION (RIGHT)
19: FILL CHARACTER ()
19: FLOAT CHARACTER ()
19: DECIMAL POSITIONS (0)
19: SIGN POSITION (LEADING)
19: AUTO CLOSE (YES)
19: ARITHMETIC OPERATION (NO)
19: AUTO FILL-IN (NO)
19: NEXT PAGE NUMBER (NO)
19: BRANCHING(NO)

19: AUTO-INCREMENT (NO)
19: OUTPUT TO MEMORY CELL (NO)
19: OUTPUT TO DISKETTE (YES)

FILL

20: TAB STOP (YES)
20: INPUT TYPE (CONSTANT:)
20: CHARACTER TYPE (PRINTABLE)
20: SECURITY FIELD (NO)
20: OVERRIDE ERROR FIELD (NO)
20: MINIMUM LENGTH (0)
20: EXACT LENGTH TABLE (NO)
20: RANGE (NO)
20: ALLOWABLE ENTRY (NO)
20: SUBSTITUTION (NO)
20: JUSTIFICATION (LEFT)
20: FILL CHARACTER ()
20: FLOAT CHARACTER ()
20: DECIMAL POSITIONS (0)
20: SIGN POSITION (LEADING)
20: AUTO CLOSE (YES)
20: ARITHMETIC OPERATION (NO)
20: AUTO FILL-IN (NO)
20: NEXT PAGE NUMBER (NO)
20: BRANCHING (NO)

20: AUTO-INCREMENT (NO)
20: OUTPUT TO MEMORY CELL (NO)
20: OUTPUT TO DISKETTE (YES)

LOAD
RECORD TYPE:
ONE

BIOFORM-03

21: TAB STOP (YES)
21: INPUT TYPE (KEYBOARD)
21: CHARACTER TYPE (PRINTABLE)
21: SECURITY FIELD (NO)
21: OVERRIDE ERROR FIELD (NO)
21: MINIMUM LENGTH (0)
21: EXACT LENGTH TABLE (NO)
21: RANGE (NO)
21: ALLOWABLE ENTRY (NO)
21: SUBSTITUTION (NO)
21: JUSTIFICATION (LEFT)
21: FILL CHARACTER ()
21: FLOAT CHARACTER ()
21: DECIMAL POSITIONS (0)
21: SIGN POSITION (LEADING)
21: AUTO CLOSE (YES)
21: ARITHMETIC OPERATION (NO)
21: AUTO FILL-IN (NO)
21: NEXT PAGE NUMBER (YES - PAGE 1)
21: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

21: AUTO-INCREMENT (NO)
21: OUTPUT TO MEMORY CELL (NO)
21: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
TWO

22: TAB STOP (YES)
22: INPUT TYPE (KEYBOARD)
22: CHARACTER TYPE (PRINTABLE)
22: SECURITY FIELD (NO)
22: OVERRIDE ERROR FIELD (NO)
22: MINIMUM LENGTH (0)
22: EXACT LENGTH TABLE (NO)
22: RANGE (NO)
22: ALLOWABLE ENTRY (NO)
22: SUBSTITUTION (NO)
22: JUSTIFICATION (LEFT)
22: FILL CHARACTER ()
22: FLOAT CHARACTER ()
22: DECIMAL POSITIONS (0)
22: SIGN POSITION (LEADING)
22: AUTO CLOSE (YES)
22: ARITHMETIC OPERATION (NO)
22: AUTO FILL-IN (NO)
22: NEXT PAGE NUMBER (YES - PAGE 2)
22: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

22: AUTO-INCREMENT (NO)
22: OUTPUT TO MEMORY CELL (NO)
22: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
THREE

BIOFORM-03

23: TAB STOP (YES)
23: INPUT TYPE (KEYBOARD)
23: CHARACTER TYPE (PRINTABLE)
23: SECURITY FIELD (NO)
23: OVERRIDE ERROR FIELD (NO)
23: MINIMUM LENGTH (0)
23: EXACT LENGTH TABLE (NO)
23: RANGE (NO)
23: ALLOWABLE ENTRY (NO)
23: SUBSTITUTION (NO)
23: JUSTIFICATION (LEFT)
23: FILL CHARACTER ()
23: FLOAT CHARACTER ()
23: DECIMAL POSITIONS (0)
23: SIGN POSITION (LEADING)
23: AUTO CLOSE (YES)
23: ARITHMETIC OPERATION (NO)
23: AUTO FILL-IN (NO)
23: NEXT PAGE NUMBER (YES - PAGE 3)
23: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X))

23: AUTO-INCREMENT (NO)
23: OUTPUT TO MEMORY CELL (NO)
23: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
FOUR

24: TAB STOP (YES)
24: INPUT TYPE (KEYBOARD)
24: CHARACTER TYPE (PRINTABLE)
24: SECURITY FIELD (NO)
24: OVERRIDE ERROR FIELD (NO)
24: MINIMUM LENGTH (0)
24: EXACT LENGTH TABLE (NO)
24: RANGE (NO)
24: ALLOWABLE ENTRY (NO)
24: SUBSTITUTION (NO)
24: JUSTIFICATION (LEFT)
24: FILL CHARACTER ()
24: FLOAT CHARACTER ()
24: DECIMAL POSITIONS (0)
24: SIGN POSITION (LEADING)
24: AUTO CLOSE (YES)
24: ARITHMETIC OPERATION (NO)
24: AUTO FILL-IN (NO)
24: NEXT PAGE NUMBER (YES - PAGE 4)
24: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X))

24: AUTO-INCREMENT (NO)
24: OUTPUT TO MEMORY CELL (NO)
24: OUTPUT TO DISKETTE (NO)

BIOFORM-03

LOAD
RECORD TYPE:
FIVE

25: TAB STOP (YES)
25: INPUT TYPE (KEYBOARD)
25: CHARACTER TYPE (PRINTABLE)
25: SECURITY FIELD (NO)
25: OVERRIDE ERROR FIELD (NO)
25: MINIMUM LENGTH (0)
25: EXACT LENGTH TABLE (NO)
25: RANGE (NO)
25: ALLOWABLE ENTRY (NO)
25: SUBSTITUTION (NO)
25: JUSTIFICATION (LEFT)
25: FILL CHARACTER ()
25: FLOAT CHARACTER ()
25: DECIMAL POSITIONS (0)
25: SIGN POSITION (LEADING)
25: AUTO CLOSE (YES)
25: ARITHMETIC OPERATION (NO)
25: AUTO FILL-IN (NO)
25: NEXT PAGE NUMBER (YES - PAGE 5)
25: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

25: AUTO-INCREMENT (NO)
25: OUTPUT TO MEMORY CELL (NO)
25: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
SIX

26: TAB STOP (YES)
26: INPUT TYPE (KEYBOARD)
26: CHARACTER TYPE (PRINTABLE)
26: SECURITY FIELD (NO)
26: OVERRIDE ERROR FIELD (NO)
26: MINIMUM LENGTH (0)
26: EXACT LENGTH TABLE (NO)
26: RANGE (NO)
26: ALLOWABLE ENTRY (NO)
26: SUBSTITUTION (NO)
26: JUSTIFICATION (LEFT)
26: FILL CHARACTER ()
26: FLOAT CHARACTER ()
26: DECIMAL POSITIONS (0)
26: SIGN POSITION (LEADING)
26: AUTO CLOSE (YES)
26: ARITHMETIC OPERATION (NO)
26: AUTO FILL-IN (NO)
26: NEXT PAGE NUMBER (YES - PAGE 6)
26: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

26: AUTO-INCREMENT (NO)
26: OUTPUT TO MEMORY CELL (NO)
26: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
SEVEN

BIOFORM-03
27: TAB STOP (YES)
27: INPUT TYPE (KEYBOARD)
27: CHARACTER TYPE (PRINTABLE)
27: SECURITY FIELD (NO)
27: OVERRIDE ERROR FIELD (NO)
27: MINIMUM LENGTH (0)
27: EXACT LENGTH TABLE (NO)
27: RANGE (NO)
27: ALLOWABLE ENTRY (NO)
27: SUBSTITUTION (NO)
27: JUSTIFICATION (LEFT)
27: FILL CHARACTER ()
27: FLOAT CHARACTER ()
27: DECIMAL POSITIONS (0)
27: SIGN POSITION (LEADING)
27: AUTO CLOSE (YES)
27: ARITHMETIC OPERATION (NO)
27: AUTO FILL-IN (NO)
27: NEXT PAGE NUMBER (YES - PAGE 7)
27: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

27: AUTO-INCREMENT (NO)
27: OUTPUT TO MEMORY CELL (NO)
27: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
EIGHT

28: TAB STOP (YES)
28: INPUT TYPE (KEYBOARD)
28: CHARACTER TYPE (PRINTABLE)
28: SECURITY FIELD (NO)
28: OVERRIDE ERROR FIELD (NO)
28: MINIMUM LENGTH (0)
28: EXACT LENGTH TABLE (NO)
28: RANGE (NO)
28: ALLOWABLE ENTRY (NO)
28: SUBSTITUTION (NO)
28: JUSTIFICATION (LEFT)
28: FILL CHARACTER ()
28: FLOAT CHARACTER ()
28: DECIMAL POSITIONS (0)
28: SIGN POSITION (LEADING)
28: AUTO CLOSE (YES)
28: ARITHMETIC OPERATION (NO)
28: AUTO FILL-IN (NO)
28: NEXT PAGE NUMBER (NO)
28: BRANCHING (NO)

28: AUTO-INCREMENT (NO)
28: OUTPUT TO MEMORY CELL (NO)
28: OUTPUT TO DISKETTE (NO)

BIOFORM-03

LOAD
RECORD TYPE:
NINE

29: TAB STOP (YES)
29: INPUT TYPE (KEYBOARD)
29: CHARACTER TYPE (PRINTABLE)
29: SECURITY FIELD (NO)
29: OVERRIDE ERROR FIELD (NO)
29: MINIMUM LENGTH (0)
29: EXACT LENGTH TABLE (NO)
29: RANGE (NO)
29: ALLOWABLE ENTRY (NO)
29: SUBSTITUTION (NO)
29: JUSTIFICATION (LEFT)
29: FILL CHARACTER ()
29: FLOAT CHARACTER ()
29: DECIMAL POSITIONS (0)
29: SIGN POSITION (LEADING)
29: AUTO CLOSE (YES)
29: ARITHMETIC OPERATION (NO)
29: AUTO FILL-IN (NO)
29: NEXT PAGE NUMBER (YES - PAGE 8)
29: BRANCHING (TEST LINE: 23 POSITION: 80)

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X))
29: AUTO-INCREMENT (NO)
29: OUTPUT TO MEMORY CELL (NO)
29: OUTPUT TO DISKETTE (NO)

BIOFORM-04 ATTRIBUTES

ACTION
FIELD

TAB STOP (YES)
 1: INPUT TYPE (KEYBOARD-CONSTANT:)
 1: CHARACTER TYPE (ALPHA)
 1: SECURITY FIELD (NO)
 1: OVERRIDE ERROR FIELD (NO)
 1: MINIMUM LENGTH (0)
 1: EXACT LENGTH TABLE (NO)
 1: RANGE (NO)
 1: ALLOWABLE ENTRY (YES;
 DRIVE: 1 FILE: ACTION)
 1: SUBSTITUTION (NO)
 1: JUSTIFICATION (LEFT)
 1: FILL CHARACTER ()
 1: FLOAT CHARACTER ()
 1: DECIMAL POSITIONS (0)
 1: SIGN POSITION (LEADING)
 1: AUTO CLOSE (YES)
 1: ARITHMETIC OPERATION (NO)
 1: AUTO FILL-IN (NO)
 1: NEXT PAGE NUMBER (NO)
 1: BRANCHING (NO)
 1: AUTO-INCREMENT (NO)
 1: OUTPUT TO MEMORY CELL (NO)
 1: OUTPUT TO DISKETTE (YES)

RECORD
TYPE

2: TAB STOP (YES)
 2: INPUT TYPE (CONSTANT: 4)
 2: CHARACTER TYPE (PRINTABLE)
 2: SECURITY FIELD (NO)
 2: OVERRIDE ERROR FIELD (NO)
 2: MINIMUM LENGTH (0)
 2: EXACT LENGTH TABLE (NO)
 2: RANGE (NO)
 2: ALLOWABLE ENTRY (NO)
 2: SUBSTITUTION (NO)
 2: JUSTIFICATION (LEFT)
 2: FILL CHARACTER ()
 2: FLOAT CHARACTER ()
 2: DECIMAL POSITIONS (0)
 2: SIGN POSITION (LEADING)
 2: AUTO CLOSE (YES)
 2: ARITHMETIC OPERATION (NO)
 2: AUTO FILL-IN (NO)
 2: NEXT PAGE NUMBER (NO)
 2: BRANCHING (NO)
 2: AUTO-INCREMENT (NO)
 2: OUTPUT TO MEMORY CELL (NO)
 2: OUTPUT TO DISKETTE (YES)

BIOFORM-04

SEQUENCE
NO: YEAR

3: TAB STOP (YES)
 3: INPUT TYPE (KEYBOARD-MEMORY CELL # 1)
 3: CHARACTER TYPE (DIGIT)
 3: SECURITY FIELD (NO)
 3: OVERRIDE ERROR FIELD (NO)
 3: MINIMUM LENGTH (0)
 3: EXACT LENGTH TABLE (YES:
 2)
 3: RANGE (NO)
 3: ALLOWABLE ENTRY (NO)
 3: SUBSTITUTION (NO)
 3: JUSTIFICATION (LEFT)
 3: FILL CHARACTER ()
 3: FLOAT CHARACTER ()
 3: DECIMAL POSITIONS (0)
 3: SIGN POSITION (LEADING)
 3: AUTO CLOSE (YES)
 3: ARITHMETIC OPERATION (NO)
 3: AUTO FILL-IN (NO)
 3: NEXT PAGE NUMBER (NO)
 3: BRANCHING (NO)
 3: AUTO-INCREMENT (NO)
 3: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 1)
 3: OUTPUT TO DISKETTE (YES)

SEQUENCE
NO: COLLECTION
NO

4: TAB STOP (YES)
 4: INPUT TYPE (KEYBOARD-MEMORY CELL # 2)
 4: CHARACTER TYPE (DIGIT)
 4: SECURITY FIELD (NO)
 4: OVERRIDE ERROR FIELD (NO)
 4: MINIMUM LENGTH (1)
 4: EXACT LENGTH TABLE (NO)
 4: RANGE (NO)
 4: ALLOWABLE ENTRY (NO)
 4: SUBSTITUTION (NO)
 4: JUSTIFICATION (RIGHT)
 4: FILL CHARACTER (0)
 4: FLOAT CHARACTER (0)
 4: DECIMAL POSITIONS (0)
 4: SIGN POSITION (LEADING)
 4: AUTO CLOSE (YES)
 4: ARITHMETIC OPERATION (NO)
 4: AUTO FILL-IN (NO)
 4: NEXT PAGE NUMBER (NO)
 4: BRANCHING (NO)
 4: AUTO-INCREMENT (NO)
 4: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 2)
 4: OUTPUT TO DISKETTE (YES)

BIOFORM-04

REPLICATE

5: TAB STOP (YES)
 5: INPUT TYPE (KEYBOARD-MEMORY CELL # 3)
 5: CHARACTER TYPE (DIGIT)
 5: SECURITY FIELD (NO)
 5: OVERRIDE ERROR FIELD (NO)
 5: MINIMUM LENGTH (1)
 5: EXACT LENGTH TABLE (NO)
 5: RANGE (NO)
 5: ALLOWABLE ENTRY (NO)
 5: SUBSTITUTION (NO)
 5: JUSTIFICATION (RIGHT)
 5: FILL CHARACTER ()
 5: FLOAT CHARACTER (0)
 5: DECIMAL POSITIONS (0)
 5: SIGN POSITION (LEADING)
 5: AUTO CLOSE (YES)
 5: ARITHMETIC OPERATION (NO)
 5: AUTO FILL-IN (NO)
 5: NEXT PAGE NUMBER (NO)
 5: BRANCHING (NO)
 5: AUTO-INCREMENT (NO)
 5: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 3)
 5: OUTPUT TO DISKETTE (YES)

SPECIES

6: TAB STOP (YES)
 6: INPUT TYPE (KEYBOARD-MEMORY CELL # 4)
 6: CHARACTER TYPE (DIGIT)
 6: SECURITY FIELD (NO)
 6: OVERRIDE ERROR FIELD (NO)
 6: MINIMUM LENGTH (0)
 6: EXACT LENGTH TABLE (YES:
 10)
 6: RANGE (NO)
 6: ALLOWABLE ENTRY (NO)
 6: SUBSTITUTION (NO)
 6: JUSTIFICATION (LEFT)
 6: FILL CHARACTER ()
 6: FLOAT CHARACTER ()
 6: DECIMAL POSITIONS (0)
 6: SIGN POSITION (LEADING)
 6: AUTO CLOSE (YES)
 6: ARITHMETIC OPERATION (NO)
 6: AUTO FILL-IN (NO)
 6: NEXT PAGE NUMBER (NO)
 6: BRANCHING (NO)
 6: AUTO-INCREMENT (NO)
 6: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 4)
 6: OUTPUT TO DISKETTE (YES)

BIOFORM-04

STATUS

7: TAB STOP (YES)
 7: INPUT TYPE (KEYBOARD-MEMORY CELL # 5)
 7: CHARACTER TYPE (DIGIT)
 7: SECURITY FIELD (NO)
 7: OVERRIDE ERROR FIELD (NO)
 7: MINIMUM LENGTH (1)
 7: EXACT LENGTH TABLE (NO)
 7: RANGE (NO)
 7: ALLOWABLE ENTRY (NO)
 7: SUBSTITUTION (NO)
 7: JUSTIFICATION (LEFT)
 7: FILL CHARACTER ()
 7: FLOAT CHARACTER ()
 7: DECIMAL POSITIONS (0)
 7: SIGN POSITION (LEADING)
 7: AUTO CLOSE (YES)
 7: ARITHMETIC OPERATION (NO)
 7: AUTO FILL-IN (NO)
 7: NEXT PAGE NUMBER (NO)
 7: BRANCHING (NO)
 7: AUTO-INCREMENT (NO)
 7: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 5)
 7: OUTPUT TO DISKETTE (YES)

LINE
 NUMBER

8: TAB STOP (YES)
 8: INPUT TYPE (KEYBOARD-REGISTER # 1)
 8: CHARACTER TYPE (DIGIT)
 8: SECURITY FIELD (NO)
 8: OVERRIDE ERROR FIELD (NO)
 8: MINIMUM LENGTH (1)
 8: EXACT LENGTH TABLE (NO)
 8: RANGE (NO)
 8: ALLOWABLE ENTRY (NO)
 8: SUBSTITUTION (NO)
 8: JUSTIFICATION (RIGHT)
 8: FILL CHARACTER (0)
 8: FLOAT CHARACTER (0)
 8: DECIMAL POSITIONS (0)
 8: SIGN POSITION (LEADING)
 8: AUTO CLOSE (YES)
 8: ARITHMETIC OPERATION (YES :
 'R1=F8+1)
 8: AUTO FILL-IN (NO)
 8: NEXT PAGE NUMBER (NO)
 8: BRANCHING (NO)
 8: AUTO-INCREMENT (NO)
 8: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 6)
 8: OUTPUT TO DISKETTE (YES)

BIOFORM-04

FREQUENCY

9: TAB STOP (YES)
 9: INPUT TYPE (KEYBOARD-CONSTANT: 1)
 9: CHARACTER TYPE (DIGIT)
 9: SECURITY FIELD (NO)
 9: OVERRIDE ERROR FIELD (NO)
 9: MINIMUM LENGTH (1)
 9: EXACT LENGTH TABLE (NO)
 9: RANGE (NO)
 9: ALLOWABLE ENTRY (NO)
 9: SUBSTITUTION (NO)
 9: JUSTIFICATION (RIGHT)
 9: FILL CHARACTER (0)
 9: FLOAT CHARACTER (0)
 9: DECIMAL POSITIONS (0)
 9: SIGN POSITION (LEADING)
 9: AUTO CLOSE (YES)
 9: ARITHMETIC OPERATION (NO)
 9: AUTO FILL-IN (NO)
 9: NEXT PAGE NUMBER (NO)
 9: BRANCHING (NO)
 9: AUTO-INCREMENT (NO)
 9: OUTPUT TO MEMORY CELL (NO)
 9: OUTPUT TO DISKETTE (YES)

LENGTH

10: TAB STOP (YES)
 10: INPUT TYPE (KEYBOARD)
 10: CHARACTER TYPE (PRINTABLE)
 10: SECURITY FIELD (NO)
 10: OVERRIDE ERROR FIELD (YES)
 10: MINIMUM LENGTH (0)
 10: EXACT LENGTH TABLE (NO)
 10: RANGE (NO)
 10: ALLOWABLE ENTRY (NO)
 10: SUBSTITUTION (NO)
 10: JUSTIFICATION (RIGHT)
 10: FILL CHARACTER ()
 10: FLOAT CHARACTER ()
 10: DECIMAL POSITIONS (0)
 10: SIGN POSITION (LEADING)
 10: AUTO CLOSE (YES)
 10: ARITHMETIC OPERATION (NO)
 10: AUTO FILL-IN (NO)
 10: NEXT PAGE NUMBER (NO)
 10: BRANCHING (NO)
 10: AUTO-INCREMENT (NO)
 10: OUTPUT TO MEMORY CELL (NO)
 10: OUTPUT TO DISKETTE (YES)

BIOFORM - 04

WEIGHT

11: TAB STOP (YES)
 11: INPUT TYPE (KEYBOARD)
 11: CHARACTER TYPE (PRINTABLE)
 11: SECURITY FIELD (NO)
 11: OVERRIDE ERROR FIELD (YES)
 11: MINIMUM LENGTH (0)
 11: EXACT LENGTH TABLE (NO)
 11: RANGE (NO)
 11: ALLOWABLE ENTRY (NO)
 11: SUBSTITUTION (NO)
 11: JUSTIFICATION (RIGHT)
 11: FILL CHARACTER ()
 11: FLOAT CHARACTER ()
 11: DECIMAL POSITIONS (0)
 11: SIGN POSITION (LEADING)
 11: AUTO CLOSE (YES)
 11: ARITHMETIC OPERATION (NO)
 11: AUTO FILL-IN (NO)
 11: NEXT PAGE NUMBER (NO)
 11: BRANCHING (NO)
 11: AUTO-INCREMENT (NO)
 11: OUTPUT TO MEMORY CELL (NO)
 11: OUTPUT TO DISKETTE (YES)

END
 OF
 PAGE

12: TAB STOP (YES)
 12: INPUT TYPE (KEYBOARD)
 12: CHARACTER TYPE (PRINTABLE)
 12: SECURITY FIELD (NO)
 12: OVERRIDE ERROR FIELD (NO)
 12: MINIMUM LENGTH (0)
 12: EXACT LENGTH TABLE (NO)
 12: RANGE (NO)
 12: ALLOWABLE ENTRY (NO)
 12: SUBSTITUTION (NO)
 12: JUSTIFICATION (LEFT)
 12: FILL CHARACTER ()
 12: FLOAT CHARACTER ()
 12: DECIMAL POSITIONS (0)
 12: SIGN POSITION (LEADING)
 12: AUTO CLOSE (YES)
 12: ARITHMETIC OPERATION (NO)
 12: AUTO FILL-IN (NO)
 12: NEXT PAGE NUMBER (NO)
 12: BRANCHING (TEST LINE: 22 POSITION: 1:

BRANCH: MINIMUM LENGTH (0)
 BRANCH: MAXIMUM LENGTH (1)
 BRANCH: EXACT LENGTH TABLE (NO)
 BRANCH: RANGE (NO)
 BRANCH: ALLOWABLE ENTRY (YES - RAM:
 X;))

12: AUTO-INCREMENT (NO)
 12: OUTPUT TO MEMORY CELL (NO)
 12: OUTPUT TO DISKETTE (NO)

BIOFORM-04

SEX

- 13: TAB STOP (YES)
- 13: INPUT TYPE (KEYBOARD)
- 13: CHARACTER TYPE (MIXED)
- 13: SECURITY FIELD (NO)
- 13: OVERRIDE ERROR FIELD (YES)
- 13: MINIMUM LENGTH (0)
- 13: EXACT LENGTH TABLE (NO)
- 13: RANGE (NO)
- 13: ALLOWABLE ENTRY (NO)
- 13: SUBSTITUTION (YES:
DRIVE: 1 FILE: SEX)
- 13: JUSTIFICATION (LEFT)
- 13: FILL CHARACTER ()
- 13: FLOAT CHARACTER ()
- 13: DECIMAL POSITIONS (0)
- 13: SIGN POSITION (LEADING)
- 13: AUTO CLOSE (YES)
- 13: ARITHMETIC OPERATION (NO)
- 13: AUTO FILL-IN (NO)
- 13: NEXT PAGE NUMBER (NO)
- 13: BRANCHING (NO)
- 13: AUTO-INCREMENT (NO)
- 13: OUTPUT TO MEMORY CELL (NO)
- 13: OUTPUT TO DISKETTE (YES)

MATURITY

- 14: TAB STOP (YES)
- 14: INPUT TYPE (KEYBOARD)
- 14: CHARACTER TYPE (DIGIT)
- 14: SECURITY FIELD (NO)
- 14: OVERRIDE ERROR FIELD (YES)
- 14: MINIMUM LENGTH (0)
- 14: EXACT LENGTH TABLE (NO)
- 14: RANGE (NO)
- 14: ALLOWABLE ENTRY (NO)
- 14: SUBSTITUTION (NO)
- 14: JUSTIFICATION (LEFT)
- 14: FILL CHARACTER ()
- 14: FLOAT CHARACTER ()
- 14: DECIMAL POSITIONS (0)
- 14: SIGN POSITION (LEADING)
- 14: AUTO CLOSE (YES)
- 14: ARITHMETIC OPERATION (NO)
- 14: AUTO FILL-IN (NO)
- 14: NEXT PAGE NUMBER (NO)
- 14: BRANCHING (NO)
- 14: AUTO-INCREMENT (NO)
- 14: OUTPUT TO MEMORY CELL (NO)
- 14: OUTPUT TO DISKETTE (YES)

BIOFORM-04

END
OF
PAGE

- 15: TAB STOP (YES)
- 15: INPUT TYPE (KEYBOARD)
- 15: CHARACTER TYPE (PRINTABLE)
- 15: SECURITY FIELD (NO)
- 15: OVERRIDE ERROR FIELD (NO)
- 15: MINIMUM LENGTH (0)
- 15: EXACT LENGTH TABLE (NO)
- 15: RANGE (NO)
- 15: ALLOWABLE ENTRY (NO)
- 15: SUBSTITUTION (NO)
- 15: JUSTIFICATION (LEFT)
- 15: FILL CHARACTER ()
- 15: FLOAT CHARACTER ()
- 15: DECIMAL POSITIONS (0)
- 15: SIGN POSITION (LEADING)
- 15: AUTO CLOSE (YES)
- 15: ARITHMETIC OPERATION (NO)
- 15: AUTO FILL-IN (NO)
- 15: NEXT PAGE NUMBER (NO)
- 15: BRANCHING (TEST LINE: 22 POSITION: 1:

- BRANCH: MINIMUM LENGTH (0)
- BRANCH: MAXIMUM LENGTH (1)
- BRANCH: EXACT LENGTH TABLE (NO)
- BRANCH: RANGE (NO)
- BRANCH: ALLOWABLE ENTRY (YES - RAM: X;))

- 15: AUTO-INCREMENT (NO)
- 15: OUTPUT TO MEMORY CELL (NO)
- 15: OUTPUT TO DISKETTE (NO)

PARAMETER
A

- 16: TAB STOP (YES)
- 16: INPUT TYPE (KEYBOARD)
- 16: CHARACTER TYPE (PRINTABLE)
- 16: SECURITY FIELD (NO)
- 16: OVERRIDE ERROR FIELD (YES)
- 16: MINIMUM LENGTH (0)
- 16: EXACT LENGTH TABLE (NO)
- 16: RANGE (NO)
- 16: ALLOWABLE ENTRY (NO)
- 16: SUBSTITUTION (NO)
- 16: JUSTIFICATION (RIGHT)
- 16: FILL CHARACTER ()
- 16: FLOAT CHARACTER ()
- 16: DECIMAL POSITIONS (0)
- 16: SIGN POSITION (LEADING)
- 16: AUTO CLOSE (YES)
- 16: ARITHMETIC OPERATION (NO)
- 16: AUTO FILL-IN (NO)
- 16: NEXT PAGE NUMBER (NO)
- 16: BRANCHING (NO)
- 16: AUTO-INCREMENT (NO)
- 16: OUTPUT TO MEMORY CELL (NO)
- 16: OUTPUT TO DISKETTE (YES)

BIOFORM-04

PARAMETER
B

17: TAB STOP (YES)
 17: INPUT TYPE (KEYBOARD)
 17: CHARACTER TYPE (PRINTABLE)
 17: SECURITY FIELD (NO)
 17: OVERRIDE ERROR FIELD (YES)
 17: MINIMUM LENGTH (0)
 17: EXACT LENGTH TABLE (NO)
 17: RANGE (NO)
 17: ALLOWABLE ENTRY (NO)
 17: SUBSTITUTION (NO)
 17: JUSTIFICATION (RIGHT)
 17: FILL CHARACTER ()
 17: FLOAT CHARACTER ()
 17: DECIMAL POSITIONS (0)
 17: SIGN POSITION (LEADING)
 17: AUTO CLOSE (YES)
 17: ARITHMETIC OPERATION (NO)
 17: AUTO FILL-IN (NO)
 17: NEXT PAGE NUMBER (NO)
 17: BRANCHING (NO)
 17: AUTO-INCREMENT (NO)
 17: OUTPUT TO MEMORY CELL (NO)
 17: OUTPUT TO DISKETTE (YES)

PARAMETER
C

18: TAB STOP (YES)
 18: INPUT TYPE (KEYBOARD)
 18: CHARACTER TYPE (PRINTABLE)
 18: SECURITY FIELD (NO)
 18: OVERRIDE ERROR FIELD (YES)
 18: MINIMUM LENGTH (0)
 18: EXACT LENGTH TABLE (NO)
 18: RANGE (NO)
 18: ALLOWABLE ENTRY (NO)
 18: SUBSTITUTION (NO)
 18: JUSTIFICATION (RIGHT)
 18: FILL CHARACTER ()
 18: FLOAT CHARACTER ()
 18: DECIMAL POSITIONS (0)
 18: SIGN POSITION (LEADING)
 18: AUTO CLOSE (YES)
 18: ARITHMETIC OPERATION (NO)
 18: AUTO FILL-IN (NO)
 18: NEXT PAGE NUMBER (NO)
 18: BRANCHING (NO)
 18: AUTO-INCREMENT (NO)
 18: OUTPUT TO MEMORY CELL (NO)
 18: OUTPUT TO DISKETTE (YES)

BIOFORM-04

PARAMETER

D

19: TAB STOP (YES)
 19: INPUT TYPE (KEYBOARD)
 19: CHARACTER TYPE (PRINTABLE)
 19: SECURITY FIELD (NO)
 19: OVERRIDE ERROR FIELD (YES)
 19: MINIMUM LENGTH (0)
 19: EXACT LENGTH TABLE (NO)
 19: RANGE (NO)
 19: ALLOWABLE ENTRY (NO)
 19: SUBSTITUTION (NO)
 19: JUSTIFICATION (RIGHT)
 19: FILL CHARACTER ()
 19: FLOAT CHARACTER ()
 19: DECIMAL POSITIONS (0)
 19: SIGN POSITION (LEADING)
 19: AUTO CLOSE (YES)
 19: ARITHMETIC OPERATION (NO)
 19: AUTO FILL-IN (NO)
 19: NEXT PAGE NUMBER (NO)
 19: BRANCHING (NO)
 19: AUTO-INCREMENT (NO)
 19: OUTPUT TO MEMORY CELL (NO)
 19: OUTPUT TO DISKETTE (YES)

EGG
 OR
 LARVAL
 STAGE

20: TAB STOP (YES)
 20: INPUT TYPE (KEYBOARD)
 20: CHARACTER TYPE (DIGIT)
 20: SECURITY FIELD (NO)
 20: OVERRIDE ERROR FIELD (YES)
 20: MINIMUM LENGTH (0)
 20: EXACT LENGTH TABLE (NO)
 20: RANGE (NO)
 20: ALLOWABLE ENTRY (NO)
 20: SUBSTITUTION (NO)
 20: JUSTIFICATION (LEFT)
 20: FILL CHARACTER ()
 20: FLOAT CHARACTER ()
 20: DECIMAL POSITIONS (0)
 20: SIGN POSITION (LEADING)
 20: AUTO CLOSE (YES)
 20: ARITHMETIC OPERATION (NO)
 20: AUTO FILL-IN (NO)
 20: NEXT PAGE NUMBER (NO)
 20: BRANCHING (NO)
 20: AUTO-INCREMENT (NO)
 20: OUTPUT TO MEMORY CELL (NO)
 20: OUTPUT TO DISKETTE (YES)

BIOFORM-04

STATUS

21: TAB STOP (YES)
 21: INPUT TYPE (KEYBOARD)
 21: CHARACTER TYPE (DIGIT)
 21: SECURITY FIELD (NO)
 21: OVERRIDE ERROR FIELD (YES)
 21: MINIMUM LENGTH (0)
 21: EXACT LENGTH TABLE (NO)
 21: RANGE (NO)
 21: ALLOWABLE ENTRY (NO)
 21: SUBSTITUTION (NO)
 21: JUSTIFICATION (LEFT)
 21: FILL CHARACTER ()
 21: FLOAT CHARACTER ()
 21: DECIMAL POSITIONS (0)
 21: SIGN POSITION (LEADING)
 21: AUTO CLOSE (YES)
 21: ARITHMETIC OPERATION (NO)
 21: AUTO FILL-IN (NO)
 21: NEXT PAGE NUMBER (NO)
 21: BRANCHING (NO)
 21: AUTO-INCREMENT (NO)
 21: OUTPUT TO MEMORY CELL (NO)
 21: OUTPUT TO DISKETTE (YES)

TAG
 NUMBER

22: TAB STOP (YES)
 22: INPUT TYPE (KEYBOARD)
 22: CHARACTER TYPE (MIXED)
 22: SECURITY FIELD (NO)
 22: OVERRIDE ERROR FIELD (YES)
 22: MINIMUM LENGTH (0)
 22: EXACT LENGTH TABLE (NO)
 22: RANGE (NO)
 22: ALLOWABLE ENTRY (NO)
 22: SUBSTITUTION (NO)
 22: JUSTIFICATION (LEFT)
 22: FILL CHARACTER ()
 22: FLOAT CHARACTER ()
 22: DECIMAL POSITIONS (0)
 22: SIGN POSITION (LEADING)
 22: AUTO CLOSE (YES)
 22: ARITHMETIC OPERATION (NO)
 22: AUTO FILL-IN (NO)
 22: NEXT PAGE NUMBER (NO)
 22: BRANCHING (NO)
 22: AUTO-INCREMENT (NO)
 22: OUTPUT TO MEMORY CELL (NO)
 22: OUTPUT TO DISKETTE (YES)

BIOFORM-04

AGE
STATUS

23: TAB STOP (YES)
 23: INPUT TYPE (KEYBOARD)
 23: CHARACTER TYPE (DIGIT)
 23: SECURITY FIELD (NO)
 23: OVERRIDE ERROR FIELD (YES)
 23: MINIMUM LENGTH (0)
 23: EXACT LENGTH TABLE (NO)
 23: RANGE (YES:
 FROM: 0 TO: 3)
 23: ALLOWABLE ENTRY (NO)
 23: SUBSTITUTION (NO)
 23: JUSTIFICATION (LEFT)
 23: FILL CHARACTER ()
 23: FLOAT CHARACTER ()
 23: DECIMAL POSITIONS (0)
 23: SIGN POSITION (LEADING)
 23: AUTO CLOSE (YES)
 23: ARITHMETIC OPERATION (NO)
 23: AUTO FILL-IN (NO)
 23: NEXT PAGE NUMBER (NO)
 23: BRANCHING (NO)
 23: AUTO-INCREMENT (NO)
 23: OUTPUT TO MEMORY CELL (NO)
 23: OUTPUT TO DISKETTE (YES)

AGED
STRUCTURE

24: TAB STOP (YES)
 24: INPUT TYPE (KEYBOARD)
 24: CHARACTER TYPE (DIGIT)
 24: SECURITY FIELD (NO)
 24: OVERRIDE ERROR FIELD (YES)
 24: MINIMUM LENGTH (0)
 24: EXACT LENGTH TABLE (NO)
 24: RANGE (YES:
 FROM: 0 TO: 4)
 24: ALLOWABLE ENTRY (NO)
 24: SUBSTITUTION (NO)
 24: JUSTIFICATION (LEFT)
 24: FILL CHARACTER ()
 24: FLOAT CHARACTER ()
 24: DECIMAL POSITIONS (0)
 24: SIGN POSITION (LEADING)
 24: AUTO CLOSE (YES)
 24: ARITHMETIC OPERATION (NO)
 24: AUTO FILL-IN (NO)
 24: NEXT PAGE NUMBER (NO)
 24: BRANCHING (NO)
 24: AUTO-INCREMENT (NO)
 24: OUTPUT TO MEMORY CELL (NO)
 24: OUTPUT TO DISKETTE (YES)

BIOFORM-04

AGE

- 25: TAB STOP (YES)
- 25: INPUT TYPE (KEYBOARD)
- 25: CHARACTER TYPE (DIGIT)
- 25: SECURITY FIELD (NO)
- 25: OVERRIDE ERROR FIELD (YES)
- 25: MINIMUM LENGTH (0)
- 25: EXACT LENGTH TABLE (NO)
- 25: RANGE (YES:
FROM: 0 TO: 30)
- 25: ALLOWABLE ENTRY (NO)
- 25: SUBSTITUTION (NO)
- 25: JUSTIFICATION (RIGHT)
- 25: FILL CHARACTER ()
- 25: FLOAT CHARACTER ()
- 25: DECIMAL POSITIONS (0)
- 25: SIGN POSITION (LEADING)
- 25: AUTO CLOSE (YES)
- 25: ARITHMETIC OPERATION (NO)
- 25: AUTO FILL-IN (NO)
- 25: NEXT PAGE NUMBER (NO)
- 25: BRANCHING (NO)
- 25: AUTO-INCREMENT (NO)
- 25: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 7)
- 25: OUTPUT TO DISKETTE (YES)

NUMBER
OF
SPAWNING
MARKS

- 26: TAB STOP (YES)
- 26: INPUT TYPE (KEYBOARD)
- 26: CHARACTER TYPE (DIGIT)
- 26: SECURITY FIELD (NO)
- 26: OVERRIDE ERROR FIELD (YES)
- 26: MINIMUM LENGTH (0)
- 26: EXACT LENGTH TABLE (NO)
- 26: RANGE (YES:
FROM: 0 TO: 30)
- 26: ALLOWABLE ENTRY (NO)
- 26: SUBSTITUTION (NO)
- 26: JUSTIFICATION (RIGHT)
- 26: FILL CHARACTER ()
- 26: FLOAT CHARACTER ()
- 26: DECIMAL POSITIONS (0)
- 26: SIGN POSITION (LEADING)
- 26: AUTO CLOSE (YES)
- 26: ARITHMETIC OPERATION (NO)
- 26: AUTO FILL-IN (NO)
- 26: NEXT PAGE NUMBER (NO)
- 26: BRANCHING (NO)
- 26: AUTO-INCREMENT (NO)
- 26: OUTPUT TO MEMORY CELL (NO)
- 26: OUTPUT TO DISKETTE (YES)

BIOFORM-04

FILL

27: TAB STOP (YES)
 27: INPUT TYPE (CONSTANT:)
 27: CHARACTER TYPE (PRINTABLE)
 27: SECURITY FIELD (NO)
 27: OVERRIDE ERROR FIELD (NO)
 27: MINIMUM LENGTH (0)
 27: EXACT LENGTH TABLE (NO)
 27: RANGE (NO)
 27: ALLOWABLE ENTRY (NO)
 27: SUBSTITUTION (NO)
 27: JUSTIFICATION (LEFT)
 27: FILL CHARACTER ()
 27: FLOAT CHARACTER ()
 27: DECIMAL POSITIONS (0)
 27: SIGN POSITION (LEADING)
 27: AUTO CLOSE (YES)
 27: ARITHMETIC OPERATION (NO)
 27: AUTO FILL-IN (NO)
 27: NEXT PAGE NUMBER (NO)
 27: BRANCHING (NO)
 27: AUTO-INCREMENT (NO)
 27: OUTPUT TO MEMORY CELL (NO)
 27: OUTPUT TO DISKETTE (YES)

LOAD
 RECORD TYPE:
 ONE

28: TAB STOP (YES)
 28: INPUT TYPE (KEYBOARD)
 28: CHARACTER TYPE (PRINTABLE)
 28: SECURITY FIELD (NO)
 28: OVERRIDE ERROR FIELD (NO)
 28: MINIMUM LENGTH (0)
 28: EXACT LENGTH TABLE (NO)
 28: RANGE (NO)
 28: ALLOWABLE ENTRY (NO)
 28: SUBSTITUTION (NO)
 28: JUSTIFICATION (LEFT)
 28: FILL CHARACTER ()
 28: FLOAT CHARACTER ()
 28: DECIMAL POSITIONS (0)
 28: SIGN POSITION (LEADING)
 28: AUTO CLOSE (YES)
 28: ARITHMETIC OPERATION (NO)
 28: AUTO FILL-IN (NO)
 28: NEXT PAGE NUMBER (YES - PAGE 1)
 28: BRANCHING (TEST LINE: 23 POSITION:80 :

BRANCH: MINIMUM LENGTH (0)
 BRANCH: MAXIMUM LENGTH (1)
 BRANCH: EXACT LENGTH TABLE (NO)
 BRANCH: RANGE (NO)
 BRANCH: ALLOWABLE ENTRY (YES - RAM:
 X;))
 28: AUTO-INCREMENT (NO)
 28: OUTPUT TO MEMORY CELL (NO)
 28: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
TWO

BIOFORM-04

29: TAB STOP (YES)
29: INPUT TYPE (KEYBOARD)
29: CHARACTER TYPE (PRINTABLE)
29: SECURITY FIELD (NO)
29: OVERRIDE ERROR FIELD (NO)
29: MINIMUM LENGTH (0)
29: EXACT LENGTH TABLE (NO)
29: RANGE (NO)
29: ALLOWABLE ENTRY (NO)
29: SUBSTITUTION (NO)
29: JUSTIFICATION (LEFT)
29: FILL CHARACTER ()
29: FLOAT CHARACTER ()
29: DECIMAL POSITIONS (0)
29: SIGN POSITION (LEADING)
29: AUTO CLOSE (YES)
29: ARITHMETIC OPERATION (NO)
29: AUTO FILL-IN (NO)
29: NEXT PAGE NUMBER (YES - PAGE 2)
29: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

29: AUTO-INCREMENT (NO)
29: OUTPUT TO MEMORY CELL (NO)
29: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
THREE

30: TAB STOP (YES)
30: INPUT TYPE (KEYBOARD)
30: CHARACTER TYPE (PRINTABLE)
30: SECURITY FIELD (NO)
30: OVERRIDE ERROR FIELD (NO)
30: MINIMUM LENGTH (0)
30: EXACT LENGTH TABLE (NO)
30: RANGE (NO)
30: ALLOWABLE ENTRY (NO)
30: SUBSTITUTION (NO)
30: JUSTIFICATION (LEFT)
30: FILL CHARACTER ()
30: FLOAT CHARACTER ()
30: DECIMAL POSITIONS (0)
30: SIGN POSITION (LEADING)
30: AUTO CLOSE (YES)
30: ARITHMETIC OPERATION (NO)
30: AUTO FILL-IN (NO)
30: NEXT PAGE NUMBER (YES - PAGE 3)
30: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

30: AUTO-INCREMENT (NO)
30: OUTPUT TO MEMORY CELL (NO)
30: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
FOUR

BIOFORM 04

31: TAB STOP (YES)
31: INPUT TYPE (KEYBOARD)
31: CHARACTER TYPE (PRINTABLE)
31: SECURITY FIELD (NO)
31: OVERRIDE ERROR FIELD (NO)
31: MINIMUM LENGTH (0)
31: EXACT LENGTH TABLE (NO)
31: RANGE (NO)
31: ALLOWABLE ENTRY (NO)
31: SUBSTITUTION (NO)
31: JUSTIFICATION (LEFT)
31: FILL CHARACTER ()
31: FLOAT CHARACTER ()
31: DECIMAL POSITIONS (0)
31: SIGN POSITION (LEADING)
31: AUTO CLOSE (YES)
31: ARITHMETIC OPERATION (NO)
31: AUTO FILL-IN (NO)
31: NEXT PAGE NUMBER (YES - PAGE 4)
31: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X;))

31: AUTO-INCREMENT (NO)
31: OUTPUT TO MEMORY CELL (NO)
31: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
FIVE

32: TAB STOP (YES)
32: INPUT TYPE (KEYBOARD)
32: CHARACTER TYPE (PRINTABLE)
32: SECURITY FIELD (NO)
32: OVERRIDE ERROR FIELD (NO)
32: MINIMUM LENGTH (0)
32: EXACT LENGTH TABLE (NO)
32: RANGE (NO)
32: ALLOWABLE ENTRY (NO)
32: SUBSTITUTION (NO)
32: JUSTIFICATION (LEFT)
32: FILL CHARACTER ()
32: FLOAT CHARACTER ()
32: DECIMAL POSITIONS (0)
32: SIGN POSITION (LEADING)
32: AUTO CLOSE (YES)
32: ARITHMETIC OPERATION (NO)
32: AUTO FILL-IN (NO)
32: NEXT PAGE NUMBER (YES - PAGE 5)
32: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X;))

32: AUTO-INCREMENT (NO)
32: OUTPUT TO MEMORY CELL (NO)
32: OUTPUT TO DISKETTE (NO)

BIOFORM-04

LOAD
RECORD TYPE:
SIX

33: TAB STOP (YES)
33: INPUT TYPE (KEYBOARD)
33: CHARACTER TYPE (PRINTABLE)
33: SECURITY FIELD (NO)
33: OVERRIDE ERROR FIELD (NO)
33: MINIMUM LENGTH (0)
33: EXACT LENGTH TABLE (NO)
33: RANGE (NO)
33: ALLOWABLE ENTRY (NO)
33: SUBSTITUTION (NO)
33: JUSTIFICATION (LEFT)
33: FILL CHARACTER ()
33: FLOAT CHARACTER ()
33: DECIMAL POSITIONS (0)
33: SIGN POSITION (LEADING)
33: AUTO CLOSE (YES)
33: ARITHMETIC OPERATION (NO)
33: AUTO FILL-IN (NO)
33: NEXT PAGE NUMBER (YES - PAGE 6)
33: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

33: AUTO-INCREMENT (NO)
33: OUTPUT TO MEMORY CELL (NO)
33: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
SEVEN

34: TAB STOP (YES)
34: INPUT TYPE (KEYBOARD)
34: CHARACTER TYPE (PRINTABLE)
34: SECURITY FIELD (NO)
34: OVERRIDE ERROR FIELD (NO)
34: MINIMUM LENGTH (0)
34: EXACT LENGTH TABLE (NO)
34: RANGE (NO)
34: ALLOWABLE ENTRY (NO)
34: SUBSTITUTION (NO)
34: JUSTIFICATION (LEFT)
34: FILL CHARACTER ()
34: FLOAT CHARACTER ()
34: DECIMAL POSITIONS (0)
34: SIGN POSITION (LEADING)
34: AUTO CLOSE (YES)
34: ARITHMETIC OPERATION (NO)
34: AUTO FILL-IN (NO)
34: NEXT PAGE NUMBER (YES - PAGE 7)
34: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

34: AUTO-INCREMENT (NO)
34: OUTPUT TO MEMORY CELL (NO)
34: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
EIGHT

BIOFROM-04

35: TAB STOP (YES)
35: INPUT TYPE (KEYBOARD)
35: CHARACTER TYPE (PRINTABLE)
35: SECURITY FIELD (NO)
35: OVERRIDE ERROR FIELD (NO)
35: MINIMUM LENGTH (0)
35: EXACT LENGTH TABLE (NO)
35: RANGE (NO)
35: ALLOWABLE ENTRY (NO)
35: SUBSTITUTION (NO)
35: JUSTIFICATION (LEFT)
35: FILL CHARACTER ()
35: FLOAT CHARACTER ()
35: DECIMAL POSITIONS (0)
35: SIGN POSITION (LEADING)
35: AUTO CLOSE (YES)
35: ARITHMETIC OPERATION (NO)
35: AUTO FILL-IN (NO)
35: NEXT PAGE NUMBER (NO)
35: BRANCHING (NO)

35: AUTO-INCREMENT (NO)
35: OUTPUT TO MEMORY CELL (NO)
35: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
NINE

36: TAB STOP (YES)
36: INPUT TYPE (KEYBOARD)
36: CHARACTER TYPE (PRINTABLE)
36: SECURITY FIELD (NO)
36: OVERRIDE ERROR FIELD (NO)
36: MINIMUM LENGTH (0)
36: EXACT LENGTH TABLE (NO)
36: RANGE (NO)
36: ALLOWABLE ENTRY (NO)
36: SUBSTITUTION (NO)
36: JUSTIFICATION (LEFT)
36: FILL CHARACTER ()
36: FLOAT CHARACTER ()
36: DECIMAL POSITIONS (0)
36: SIGN POSITION (LEADING)
36: AUTO CLOSE (YES)
36: ARITHMETIC OPERATION (NO)
36: AUTO FILL-IN (NO)
36: NEXT PAGE NUMBER (YES - PAGE 8)
36: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

36: AUTO-INCREMENT (NO)
36: OUTPUT TO MEMORY CELL (NO)
36: OUTPUT TO DISKETTE (NO)

BIOFORM-05 ATTRIBUTES

ACTION
FIELD

TAB STOP (YES)
 1: INPUT TYPE (KEYBOARD-CONSTANT:)
 1: CHARACTER TYPE (ALPHA)
 1: SECURITY FIELD (NO)
 1: OVERRIDE ERROR FIELD (NO)
 1: MINIMUM LENGTH (0)
 1: EXACT LENGTH TABLE (NO)
 1: RANGE (NO)
 1: ALLOWABLE ENTRY (YES:
 DRIVE: 1 FILE: ACTION)
 1: SUBSTITUTION (NO)
 1: JUSTIFICATION (LEFT)
 1: FILL CHARACTER ()
 1: FLOAT CHARACTER ()
 1: DECIMAL POSITIONS (0)
 1: SIGN POSITION (LEADING)
 1: AUTO CLOSE (YES)
 1: ARITHMETIC OPERATION (NO)
 1: AUTO FILL-IN (NO)
 1: NEXT PAGE NUMBER (NO)
 1: BRANCHING (NO)
 1: AUTO-INCREMENT (NO)
 1: OUTPUT TO MEMORY CELL (NO)
 1: OUTPUT TO DISKETTE (YES)

RECORD
TYPE

2: TAB STOP (YES)
 2: INPUT TYPE (CONSTANT: 5)
 2: CHARACTER TYPE (PRINTABLE)
 2: SECURITY FIELD (NO)
 2: OVERRIDE ERROR FIELD (NO)
 2: MINIMUM LENGTH (0)
 2: EXACT LENGTH TABLE (NO)
 2: RANGE (NO)
 2: ALLOWABLE ENTRY (NO)
 2: SUBSTITUTION (NO)
 2: JUSTIFICATION (LEFT)
 2: FILL CHARACTER ()
 2: FLOAT CHARACTER ()
 2: DECIMAL POSITIONS (0)
 2: SIGN POSITION (LEADING)
 2: AUTO CLOSE (YES)
 2: ARITHMETIC OPERATION (NO)
 2: AUTO FILL-IN (NO)
 2: NEXT PAGE NUMBER (NO)
 2: BRANCHING (NO)
 2: AUTO-INCREMENT (NO)
 2: OUTPUT TO MEMORY CELL (NO)
 2: OUTPUT TO DISKETTE (YES)

BIOFORM-05

SEQUENCE
NO: YEAR

3: TAB STOP (YES)
3: INPUT TYPE (KEYBOARD-MEMORY CELL # 1)
3: CHARACTER TYPE (DIGIT)
3: SECURITY FIELD (NO)
3: OVERRIDE ERROR FIELD (NO)
3: MINIMUM LENGTH (0)
3: EXACT LENGTH TABLE (YES:
2)
3: RANGE (NO)
3: ALLOWABLE ENTRY (NO)
3: SUBSTITUTION (NO)
3: JUSTIFICATION (LEFT)
3: FILL CHARACTER ()
3: FLOAT CHARACTER ()
3: DECIMAL POSITIONS (0)
3: SIGN POSITION (LEADING)
3: AUTO CLOSE (YES)
3: ARITHMETIC OPERATION (NO)
3: AUTO FILL-IN (NO)
3: NEXT PAGE NUMBER (NO)
3: BRANCHING (NO)
3: AUTO-INCREMENT (NO)
3: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 1)
3: OUTPUT TO DISKETTE (YES)

SEQUENCE
NO: COLLECTION
NO

4: TAB STOP (YES)
4: INPUT TYPE (KEYBOARD-MEMORY CELL # 2)
4: CHARACTER TYPE (DIGIT)
4: SECURITY FIELD (NO)
4: OVERRIDE ERROR FIELD (NO)
4: MINIMUM LENGTH (1)
4: EXACT LENGTH TABLE (NO)
4: RANGE (NO)
4: ALLOWABLE ENTRY (NO)
4: SUBSTITUTION (NO)
4: JUSTIFICATION (RIGHT)
4: FILL CHARACTER (0)
4: FLOAT CHARACTER (0)
4: DECIMAL POSITIONS (0)
4: SIGN POSITION (LEADING)
4: AUTO CLOSE (YES)
4: ARITHMETIC OPERATION (NO)
4: AUTO FILL-IN (NO)
4: NEXT PAGE NUMBER (NO)
4: BRANCHING (NO)
4: AUTO-INCREMENT (NO)
4: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 2)
4: OUTPUT TO DISKETTE (YES)

BIOFORM-05

REPLICATE

5: TAB STOP (YES)
 5: INPUT TYPE (KEYBOARD-MEMORY CELL # 3)
 5: CHARACTER TYPE (DIGIT)
 5: SECURITY FIELD (NO)
 5: OVERRIDE ERROR FIELD (NO)
 5: MINIMUM LENGTH (1)
 5: EXACT LENGTH TABLE (NO)
 5: RANGE (NO)
 5: ALLOWABLE ENTRY (NO)
 5: SUBSTITUTION (NO)
 5: JUSTIFICATION (RIGHT)
 5: FILL CHARACTER ()
 5: FLOAT CHARACTER (0)
 5: DECIMAL POSITIONS (0)
 5: SIGN POSITION (LEADING)
 5: AUTO CLOSE (YES)
 5: ARITHMETIC OPERATION (NO)
 5: AUTO FILL-IN (NO)
 5: NEXT PAGE NUMBER (NO)
 5: BRANCHING (NO)
 5: AUTO-INCREMENT (NO)
 5: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 3)
 5: OUTPUT TO DISKETTE (YES)

SPECIES

6: TAB STOP (YES)
 6: INPUT TYPE (KEYBOARD-MEMORY CELL # 4)
 6: CHARACTER TYPE (DIGIT)
 6: SECURITY FIELD (NO)
 6: OVERRIDE ERROR FIELD (NO)
 6: MINIMUM LENGTH (0)
 6: EXACT LENGTH TABLE (YES:
 10)
 6: RANGE (NO)
 6: ALLOWABLE ENTRY (NO)
 6: SUBSTITUTION (NO)
 6: JUSTIFICATION (LEFT)
 6: FILL CHARACTER ()
 6: FLOAT CHARACTER ()
 6: DECIMAL POSITIONS (0)
 6: SIGN POSITION (LEADING)
 6: AUTO CLOSE (YES)
 6: ARITHMETIC OPERATION (NO)
 6: AUTO FILL-IN (NO)
 6: NEXT PAGE NUMBER (NO)
 6: BRANCHING (NO)
 6: AUTO-INCREMENT (NO)
 6: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 4)
 6: OUTPUT TO DISKETTE (YES)

BIOFORM-05

STATUS

7: TAB STOP (YES)
 7: INPUT TYPE (KEYBOARD-MEMORY CELL # 5)
 7: CHARACTER TYPE (DIGIT)
 7: SECURITY FIELD (NO)
 7: OVERRIDE ERROR FIELD (NO)
 7: MINIMUM LENGTH (1)
 7: EXACT LENGTH TABLE (NO)
 7: RANGE (NO)
 7: ALLOWABLE ENTRY (NO)
 7: SUBSTITUTION (NO)
 7: JUSTIFICATION (LEFT)
 7: FILL CHARACTER ()
 7: FLOAT CHARACTER ()
 7: DECIMAL POSITIONS (0)
 7: SIGN POSITION (LEADING)
 7: AUTO CLOSE (YES)
 7: ARITHMETIC OPERATION (NO)
 7: AUTO FILL-IN (NO)
 7: NEXT PAGE NUMBER (NO)
 7: BRANCHING (NO)
 7: AUTO-INCREMENT (NO)
 7: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 5)
 7: OUTPUT TO DISKETTE (YES)

LINE
 NUMBER

8: TAB STOP (YES)
 8: INPUT TYPE (KEYBOARD - MEMORY CELL # 6)
 8: CHARACTER TYPE (DIGIT)
 8: SECURITY FIELD (NO)
 8: OVERRIDE ERROR FIELD (NO)
 8: MINIMUM LENGTH (0)
 8: EXACT LENGTH TABLE (NO)
 8: RANGE (NO)
 8: ALLOWABLE ENTRY (NO)
 8: SUBSTITUTION (NO)
 8: JUSTIFICATION (RIGHT)
 8: FILL CHARACTER (0)
 8: FLOAT CHARACTER (0)
 8: DECIMAL POSITIONS (0)
 8: SIGN POSITION (LEADING)
 8: AUTO CLOSE (YES)
 8: ARITHMETIC OPERATION (NO)
 8: AUTO FILL-IN (NO)
 8: NEXT PAGE NUMBER (NO)
 8: BRANCHING (NO)
 8: AUTO-INCREMENT (NO)
 8: OUTPUT TO MEMORY CELL (NO)
 8: OUTPUT TO DISKETTE (YES)

BIOFORM-05

AGE

9: TAB STOP (YES)
 9: INPUT TYPE (KEYBOARD)
 9: CHARACTER TYPE (DIGIT)
 9: SECURITY FIELD (NO)
 9: OVERRIDE ERROR FIELD (YES)
 9: MINIMUM LENGTH (1)
 9: EXACT LENGTH TABLE (NO)
 9: RANGE (YES: FROM: 0 TO: 30)
 9: ALLOWABLE ENTRY (NO)
 9: SUBSTITUTION (NO)
 9: JUSTIFICATION (RIGHT)
 9: FILL CHARACTER ()
 9: FLOAT CHARACTER (0)
 9: DECIMAL POSITIONS (0)
 9: SIGN POSITION (LEADING)
 9: AUTO CLOSE (YES)
 9: ARITHMETIC OPERATION (NO)
 9: AUTO FILL-IN (NO)
 9: NEXT PAGE NUMBER (NO)
 9: BRANCHING (NO)
 9: AUTO-INCREMENT (NO)
 9: OUTPUT TO MEMORY CELL (NO)
 9: OUTPUT TO DISKETTE (YES)

DISTANCE
 TO
 EDGE

10: TAB STOP (YES)
 10: INPUT TYPE (KEYBOARD)
 10: CHARACTER TYPE (DIGIT)
 10: SECURITY FIELD (NO)
 10: OVERRIDE ERROR FIELD (YES)
 10: MINIMUM LENGTH (1)
 10: EXACT LENGTH TABLE (NO)
 10: RANGE (NO)
 10: ALLOWABLE ENTRY (NO)
 10: SUBSTITUTION (NO)
 10: JUSTIFICATION (RIGHT)
 10: FILL CHARACTER (0)
 10: FLOAT CHARACTER (0)
 10: DECIMAL POSITIONS (0)
 10: SIGN POSITION (LEADING)
 10: AUTO CLOSE (YES)
 10: ARITHMETIC OPERATION (NO)
 10: AUTO FILL-IN (NO)
 10: NEXT PAGE NUMBER (NO)
 10: BRANCHING (NO)
 10: AUTO-INCREMENT (NO)
 10: OUTPUT TO MEMORY CELL (NO)
 10: OUTPUT TO DISKETTE (YES)

BIOFORM-05

MARGINAL
INCREMENT

11: TAB STOP (YES)
11: INPUT TYPE (KEYBOARD)
11: CHARACTER TYPE (DIGIT)
11: SECURITY FIELD (NO)
11: OVERRIDE ERROR FIELD (YES)
11: MINIMUM LENGTH (0)
11: EXACT LENGTH TABLE (NO)
11: RANGE (NO)
11: ALLOWABLE ENTRY (NO)
11: SUBSTITUTION (NO)
11: JUSTIFICATION (RIGHT)
11: FILL CHARACTER ()
11: FLOAT CHARACTER ()
11: DECIMAL POSITIONS (0)
11: SIGN POSITION (LEADING)
11: AUTO CLOSE (YES)
11: ARITHMETIC OPERATION (NO)
11: AUTO FILL-IN (NO)
11: NEXT PAGE NUMBER (NO)
11: BRANCHING (NO)
11: AUTO-INCREMENT (NO)
11: OUTPUT TO MEMORY CELL (NO)
11: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
1

12: TAB STOP (YES)
12: INPUT TYPE (KEYBOARD)
12: CHARACTER TYPE (DIGIT)
12: SECURITY FIELD (NO)
12: OVERRIDE ERROR FIELD (YES)
12: MINIMUM LENGTH (0)
12: EXACT LENGTH TABLE (NO)
12: RANGE (NO)
12: ALLOWABLE ENTRY (NO)
12: SUBSTITUTION (NO)
12: JUSTIFICATION (RIGHT)
12: FILL CHARACTER ()
12: FLOAT CHARACTER ()
12: DECIMAL POSITIONS (0)
12: SIGN POSITION (LEADING)
12: AUTO CLOSE (YES)
12: ARITHMETIC OPERATION (NO)
12: AUTO FILL-IN (NO)
12: NEXT PAGE NUMBER (NO)
12: BRANCHING (NO)
12: AUTO-INCREMENT (NO)
12: OUTPUT TO MEMORY CELL (NO)
12: OUTPUT TO DISKETTE (YES)

BIOFORM-05

DISTANCE
TO
ANNULUS
2

- 13: TAB STOP (YES)
- 13: INPUT TYPE (KEYBOARD)
- 13: CHARACTER TYPE (DIGIT)
- 13: SECURITY FIELD (NO)
- 13: OVERRIDE ERROR FIELD (YES)
- 13: MINIMUM LENGTH (0)
- 13: EXACT LENGTH TABLE (NO)
- 13: RANGE (NO)
- 13: ALLOWABLE ENTRY (NO)
- 13: SUBSTITUTION (NO)
- 13: JUSTIFICATION (RIGHT)
- 13: FILL CHARACTER ()
- 13: FLOAT CHARACTER ()
- 13: DECIMAL POSITIONS (0)
- 13: SIGN POSITION (LEADING)
- 13: AUTO CLOSE (YES)
- 13: ARITHMETIC OPERATION (NO)
- 13: AUTO FILL-IN (NO)
- 13: NEXT PAGE NUMBER (NO)
- 13: BRANCHING (NO)
- 13: AUTO-INCREMENT (NO)
- 13: OUTPUT TO MEMORY CELL (NO)
- 13: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
3

- 14: TAB STOP (YES)
- 14: INPUT TYPE (KEYBOARD)
- 14: CHARACTER TYPE (DIGIT)
- 14: SECURITY FIELD (NO)
- 14: OVERRIDE ERROR FIELD (YES)
- 14: MINIMUM LENGTH (0)
- 14: EXACT LENGTH TABLE (NO)
- 14: RANGE (NO)
- 14: ALLOWABLE ENTRY (NO)
- 14: SUBSTITUTION (NO)
- 14: JUSTIFICATION (RIGHT)
- 14: FILL CHARACTER ()
- 14: FLOAT CHARACTER ()
- 14: DECIMAL POSITIONS (0)
- 14: SIGN POSITION (LEADING)
- 14: AUTO CLOSE (YES)
- 14: ARITHMETIC OPERATION (NO)
- 14: AUTO FILL-IN (NO)
- 14: NEXT PAGE NUMBER (NO)
- 14: BRANCHING (NO)
- 14: AUTO-INCREMENT (NO)
- 14: OUTPUT TO MEMORY CELL (NO)
- 14: OUTPUT TO DISKETTE (YES)

BIOFORM-05

EOP

15: TAB STOP (YES)
15: INPUT TYPE (KEYBOARD)
15: CHARACTER TYPE (PRINTABLE)
15: SECURITY FIELD (NO)
15: OVERRIDE ERROR FIELD (NO)
15: MINIMUM LENGTH (0)
15: EXACT LENGTH TABLE (NO)
15: RANGE (NO)
15: ALLOWABLE ENTRY (NO)
15: SUBSTITUTION (NO)
15: JUSTIFICATION (LEFT)
15: FILL CHARACTER ()
15: FLOAT CHARACTER ()
15: DECIMAL POSITIONS (0)
15: SIGN POSITION (LEADING)
15: AUTO CLOSE (YES)
15: ARITHMETIC OPERATION (NO)
15: AUTO FILL-IN (NO)
15: NEXT PAGE NUMBER (NO)
15: BRANCHING (TEST LINE: 23 POSITION: 1:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X5)

15: AUTO-INCREMENT (NO)
15: OUTPUT TO MEMORY CELL (NO)
15: OUTPUT TO DISKETTE (NO)

DISTANCE
TO
ANNULUS
4

16: TAB STOP (YES)
16: INPUT TYPE (KEYBOARD)
16: CHARACTER TYPE (DIGIT)
16: SECURITY FIELD (NO)
16: OVERRIDE ERROR FIELD (YES)
16: MINIMUM LENGTH (0)
16: EXACT LENGTH TABLE (NO)
16: RANGE (NO)
16: ALLOWABLE ENTRY (NO)
16: SUBSTITUTION (NO)
16: JUSTIFICATION (RIGHT)
16: FILL CHARACTER ()
16: FLOAT CHARACTER ()
16: DECIMAL POSITIONS (0)
16: SIGN POSITION (LEADING)
16: AUTO CLOSE (YES)
16: ARITHMETIC OPERATION (NO)
16: AUTO FILL-IN (NO)
16: NEXT PAGE NUMBER (NO)
16: BRANCHING (NO)
16: AUTO-INCREMENT (NO)
16: OUTPUT TO MEMORY CELL (NO)
16: OUTPUT TO DISKETTE (YES)

BIOFORM-05

DISTANCE
TO
ANNULUS
5

17: TAB STOP (YES)
 17: INPUT TYPE (KEYBOARD)
 17: CHARACTER TYPE (DIGIT)
 17: SECURITY FIELD (NO)
 17: OVERRIDE ERROR FIELD (YES)
 17: MINIMUM LENGTH (0)
 17: EXACT LENGTH TABLE (NO)
 17: RANGE (NO)
 17: ALLOWABLE ENTRY (NO)
 17: SUBSTITUTION (NO)
 17: JUSTIFICATION (RIGHT)
 17: FILL CHARACTER ()
 17: FLOAT CHARACTER ()
 17: DECIMAL POSITIONS (0)
 17: SIGN POSITION (LEADING)
 17: AUTO CLOSE (YES)
 17: ARITHMETIC OPERATION (NO)
 17: AUTO FILL-IN (NO)
 17: NEXT PAGE NUMBER (NO)
 17: BRANCHING (NO)
 17: AUTO-INCREMENT (NO)
 17: OUTPUT TO MEMORY CELL (NO)
 17: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
6

18: TAB STOP (YES)
 18: INPUT TYPE (KEYBOARD)
 18: CHARACTER TYPE (DIGIT)
 18: SECURITY FIELD (NO)
 18: OVERRIDE ERROR FIELD (YES)
 18: MINIMUM LENGTH (0)
 18: EXACT LENGTH TABLE (NO)
 18: RANGE (NO)
 18: ALLOWABLE ENTRY (NO)
 18: SUBSTITUTION (NO)
 18: JUSTIFICATION (RIGHT)
 18: FILL CHARACTER ()
 18: FLOAT CHARACTER ()
 18: DECIMAL POSITIONS (0)
 18: SIGN POSITION (LEADING)
 18: AUTO CLOSE (YES)
 18: ARITHMETIC OPERATION (NO)
 18: AUTO FILL-IN (NO)
 18: NEXT PAGE NUMBER (NO)
 18: BRANCHING (NO)
 18: AUTO-INCREMENT (NO)
 18: OUTPUT TO MEMORY CELL (NO)
 18: OUTPUT TO DISKETTE (YES)

BIOFORM-05

EOP

19: TAB STOP (YES)
 19: INPUT TYPE (KEYBOARD)
 19: CHARACTER TYPE (PRINTABLE)
 19: SECURITY FIELD (NO)
 19: OVERRIDE ERROR FIELD (NO)
 19: MINIMUM LENGTH (0)
 19: EXACT LENGTH TABLE (NO)
 19: RANGE (NO)
 19: ALLOWABLE ENTRY (NO)
 19: SUBSTITUTION (NO)
 19: JUSTIFICATION (LEFT)
 19: FILL CHARACTER ()
 19: FLOAT CHARACTER ()
 19: DECIMAL POSITIONS (0)
 19: SIGN POSITION (LEADING)
 19: AUTO CLOSE (YES)
 19: ARITHMETIC OPERATION (NO)
 19: AUTO FILL-IN (NO)
 19: NEXT PAGE NUMBER (NO)
 19: BRANCHING (TEST LINE: 23 POSITION: 1:

BRANCH: MINIMUM LENGTH (0)
 BRANCH: MAXIMUM LENGTH (1)
 BRANCH: EXACT LENGTH TABLE (NO)
 BRANCH: RANGE (NO)
 BRANCH: ALLOWABLE ENTRY (YES - RAM:
 X:))

19: AUTO-INCREMENT (NO)
 19: OUTPUT TO MEMORY CELL (NO)
 19: OUTPUT TO DISKETTE (NO)

DISTANCE
 TO
 ANNULUS
 7

20: TAB STOP (YES)
 20: INPUT TYPE (KEYBOARD)
 20: CHARACTER TYPE (DIGIT)
 20: SECURITY FIELD (NO)
 20: OVERRIDE ERROR FIELD (YES)
 20: MINIMUM LENGTH (0)
 20: EXACT LENGTH TABLE (NO)
 20: RANGE (NO)
 20: ALLOWABLE ENTRY (NO)
 20: SUBSTITUTION (NO)
 20: JUSTIFICATION (RIGHT)
 20: FILL CHARACTER ()
 20: FLOAT CHARACTER ()
 20: DECIMAL POSITIONS (0)
 20: SIGN POSITION (LEADING)
 20: AUTO CLOSE (YES)
 20: ARITHMETIC OPERATION (NO)
 20: AUTO FILL-IN (NO)
 20: NEXT PAGE NUMBER (NO)
 20: BRANCHING (NO)
 20: AUTO-INCREMENT (NO)
 20: OUTPUT TO MEMORY CELL (NO)
 20: OUTPUT TO DISKETTE (YES)

BIOFORM-05

DISTANCE
TO
ANNULUS
8

21: TAB STOP (YES)
 21: INPUT TYPE (KEYBOARD)
 21: CHARACTER TYPE (DIGIT)
 21: SECURITY FIELD (NO)
 21: OVERRIDE ERROR FIELD (YES)
 21: MINIMUM LENGTH (0)
 21: EXACT LENGTH TABLE (NO)
 21: RANGE (NO)
 21: ALLOWABLE ENTRY (NO)
 21: SUBSTITUTION (NO)
 21: JUSTIFICATION (RIGHT)
 21: FILL CHARACTER ()
 21: FLOAT CHARACTER ()
 21: DECIMAL POSITIONS (0)
 21: SIGN POSITION (LEADING)
 21: AUTO CLOSE (YES)
 21: ARITHMETIC OPERATION (NO)
 21: AUTO FILL-IN (NO)
 21: NEXT PAGE NUMBER (NO)
 21: BRANCHING (NO)
 21: AUTO-INCREMENT (NO)
 21: OUTPUT TO MEMORY CELL (NO)
 21: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
9

22: TAB STOP (YES)
 22: INPUT TYPE (KEYBOARD)
 22: CHARACTER TYPE (DIGIT)
 22: SECURITY FIELD (NO)
 22: OVERRIDE ERROR FIELD (YES)
 22: MINIMUM LENGTH (0)
 22: EXACT LENGTH TABLE (NO)
 22: RANGE (NO)
 22: ALLOWABLE ENTRY (NO)
 22: SUBSTITUTION (NO)
 22: JUSTIFICATION (RIGHT)
 22: FILL CHARACTER ()
 22: FLOAT CHARACTER ()
 22: DECIMAL POSITIONS (0)
 22: SIGN POSITION (LEADING)
 22: AUTO CLOSE (YES)
 22: ARITHMETIC OPERATION (NO)
 22: AUTO FILL-IN (NO)
 22: NEXT PAGE NUMBER (NO)
 22: BRANCHING (NO)
 22: AUTO-INCREMENT (NO)
 22: OUTPUT TO MEMORY CELL (NO)
 22: OUTPUT TO DISKETTE (YES)

BIOFORM-05

EOP

23: TAB STOP (YES)
23: INPUT TYPE (KEYBOARD)
23: CHARACTER TYPE (PRINTABLE)
23: SECURITY FIELD (NO)
23: OVERRIDE ERROR FIELD (NO)
23: MINIMUM LENGTH (0)
23: EXACT LENGTH TABLE (NO)
23: RANGE (NO)
23: ALLOWABLE ENTRY (NO)
23: SUBSTITUTION (NO)
23: JUSTIFICATION (LEFT)
23: FILL CHARACTER ()
23: FLOAT CHARACTER ()
23: DECIMAL POSITIONS (0)
23: SIGN POSITION (LEADING)
23: AUTO CLOSE (YES)
23: ARITHMETIC OPERATION (NO)
23: AUTO FILL-IN (NO)
23: NEXT PAGE NUMBER (NO)
23: BRANCHING (TEST LINE: 23 POSITION: 1:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X3))

23: AUTO-INCREMENT (NO)
23: OUTPUT TO MEMORY CELL (NO)
23: OUTPUT TO DISKETTE (NO)

DISTANCE
TO
ANNULUS
10

24: TAB STOP (YES)
24: INPUT TYPE (KEYBOARD)
24: CHARACTER TYPE (DIGIT)
24: SECURITY FIELD (NO)
24: OVERRIDE ERROR FIELD (YES)
24: MINIMUM LENGTH (0)
24: EXACT LENGTH TABLE (NO)
24: RANGE (NO)
24: ALLOWABLE ENTRY (NO)
24: SUBSTITUTION (NO)
24: JUSTIFICATION (RIGHT)
24: FILL CHARACTER ()
24: FLOAT CHARACTER ()
24: DECIMAL POSITIONS (0)
24: SIGN POSITION (LEADING)
24: AUTO CLOSE (YES)
24: ARITHMETIC OPERATION (NO)
24: AUTO FILL-IN (NO)
24: NEXT PAGE NUMBER (NO)
24: BRANCHING (NO)
24: AUTO-INCREMENT (NO)
24: OUTPUT TO MEMORY CELL (NO)
24: OUTPUT TO DISKETTE (YES)

BIOFORM-05

DISTANCE
TO
ANNULUS
11

25: TAB STOP (YES)
25: INPUT TYPE (KEYBOARD)
25: CHARACTER TYPE (DIGIT)
25: SECURITY FIELD (NO)
25: OVERRIDE ERROR FIELD (YES)
25: MINIMUM LENGTH (0)
25: EXACT LENGTH TABLE (NO)
25: RANGE (NO)
25: ALLOWABLE ENTRY (NO)
25: SUBSTITUTION (NO)
25: JUSTIFICATION (RIGHT)
25: FILL CHARACTER ()
25: FLOAT CHARACTER ()
25: DECIMAL POSITIONS (0)
25: SIGN POSITION (LEADING)
25: AUTO CLOSE (YES)
25: ARITHMETIC OPERATION (NO)
25: AUTO FILL-IN (NO)
25: NEXT PAGE NUMBER (NO)
25: BRANCHING (NO)
25: AUTO-INCREMENT (NO)
25: OUTPUT TO MEMORY CELL (NO)
25: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
12

26: TAB STOP (YES)
26: INPUT TYPE (KEYBOARD)
26: CHARACTER TYPE (DIGIT)
26: SECURITY FIELD (NO)
26: OVERRIDE ERROR FIELD (YES)
26: MINIMUM LENGTH (0)
26: EXACT LENGTH TABLE (NO)
26: RANGE (NO)
26: ALLOWABLE ENTRY (NO)
26: SUBSTITUTION (NO)
26: JUSTIFICATION (RIGHT)
26: FILL CHARACTER ()
26: FLOAT CHARACTER ()
26: DECIMAL POSITIONS (0)
26: SIGN POSITION (LEADING)
26: AUTO CLOSE (YES)
26: ARITHMETIC OPERATION (NO)
26: AUTO FILL-IN (NO)
26: NEXT PAGE NUMBER (NO)
26: BRANCHING (NO)
26: AUTO-INCREMENT (NO)
26: OUTPUT TO MEMORY CELL (NO)
26: OUTPUT TO DISKETTE (YES)

BIOFORM-05

EOP

27: TAB STOP (YES)
 27: INPUT TYPE (KEYBOARD)
 27: CHARACTER TYPE (PRINTABLE)
 27: SECURITY FIELD (NO)
 27: OVERRIDE ERROR FIELD (NO)
 27: MINIMUM LENGTH (0)
 27: EXACT LENGTH TABLE (NO)
 27: RANGE (NO)
 27: ALLOWABLE ENTRY (NO)
 27: SUBSTITUTION (NO)
 27: JUSTIFICATION (LEFT)
 27: FILL CHARACTER ()
 27: FLOAT CHARACTER ()
 27: DECIMAL POSITIONS (0)
 27: SIGN POSITION (LEADING)
 27: AUTO CLOSE (YES)
 27: ARITHMETIC OPERATION (NO)
 27: AUTO FILL-IN (NO)
 27: NEXT PAGE NUMBER (NO)
 27: BRANCHING (TEST LINE: 23 POSITION: 1:

BRANCH: MINIMUM LENGTH (0)
 BRANCH: MAXIMUM LENGTH (1)
 BRANCH: EXACT LENGTH TABLE (NO)
 BRANCH: RANGE (NO)
 BRANCH: ALLOWABLE ENTRY (YES - RAM:
 X:))

27: AUTO-INCREMENT (NO)
 27: OUTPUT TO MEMORY CELL (NO)
 27: OUTPUT TO DISKETTE (NO)

DISTANCE
 TO
 ANNULUS
 13

28: TAB STOP (YES)
 28: INPUT TYPE (KEYBOARD)
 28: CHARACTER TYPE (DIGIT)
 28: SECURITY FIELD (NO)
 28: OVERRIDE ERROR FIELD (YES)
 28: MINIMUM LENGTH (0)
 28: EXACT LENGTH TABLE (NO)
 28: RANGE (NO)
 28: ALLOWABLE ENTRY (NO)
 28: SUBSTITUTION (NO)
 28: JUSTIFICATION (RIGHT)
 28: FILL CHARACTER ()
 28: FLOAT CHARACTER ()
 28: DECIMAL POSITIONS (0)
 28: SIGN POSITION (LEADING)
 28: AUTO CLOSE (YES)
 28: ARITHMETIC OPERATION (NO)
 28: AUTO FILL-IN (NO)
 28: NEXT PAGE NUMBER (NO)
 28: BRANCHING (NO)
 28: AUTO-INCREMENT (NO)
 28: OUTPUT TO MEMORY CELL (NO)
 28: OUTPUT TO DISKETTE (YES)

BIOFORM-05

DISTANCE
TO
ANNULUS
14

29: TAB STOP (YES)
29: INPUT TYPE (KEYBOARD)
29: CHARACTER TYPE (DIGIT)
29: SECURITY FIELD (NO)
29: OVERRIDE ERROR FIELD (YES)
29: MINIMUM LENGTH (0)
29: EXACT LENGTH TABLE (NO)
29: RANGE (NO)
29: ALLOWABLE ENTRY (NO)
29: SUBSTITUTION (NO)
29: JUSTIFICATION (RIGHT)
29: FILL CHARACTER ()
29: FLOAT CHARACTER ()
29: DECIMAL POSITIONS (0)
29: SIGN POSITION (LEADING)
29: AUTO CLOSE (YES)
29: ARITHMETIC OPERATION (NO)
29: AUTO FILL-IN (NO)
29: NEXT PAGE NUMBER (NO)
29: BRANCHING (NO)
29: AUTO-INCREMENT (NO)
29: OUTPUT TO MEMORY CELL (NO)
29: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
15

30: TAB STOP (YES)
30: INPUT TYPE (KEYBOARD)
30: CHARACTER TYPE (DIGIT)
30: SECURITY FIELD (NO)
30: OVERRIDE ERROR FIELD (YES)
30: MINIMUM LENGTH (0)
30: EXACT LENGTH TABLE (NO)
30: RANGE (NO)
30: ALLOWABLE ENTRY (NO)
30: SUBSTITUTION (NO)
30: JUSTIFICATION (RIGHT)
30: FILL CHARACTER ()
30: FLOAT CHARACTER ()
30: DECIMAL POSITIONS (0)
30: SIGN POSITION (LEADING)
30: AUTO CLOSE (YES)
30: ARITHMETIC OPERATION (NO)
30: AUTO FILL-IN (NO)
30: NEXT PAGE NUMBER (NO)
30: BRANCHING (NO)
30: AUTO-INCREMENT (NO)
30: OUTPUT TO MEMORY CELL (NO)
30: OUTPUT TO DISKETTE (YES)

BIOFORM-05

EOP

31: TAB STOP (YES)
31: INPUT TYPE (KEYBOARD)
31: CHARACTER TYPE (PRINTABLE)
31: SECURITY FIELD (NO)
31: OVERRIDE ERROR FIELD (NO)
31: MINIMUM LENGTH (0)
31: EXACT LENGTH TABLE (NO)
31: RANGE (NO)
31: ALLOWABLE ENTRY (NO)
31: SUBSTITUTION (NO)
31: JUSTIFICATION (LEFT)
31: FILL CHARACTER ()
31: FLOAT CHARACTER ()
31: DECIMAL POSITIONS (0)
31: SIGN POSITION (LEADING)
31: AUTO CLOSE (YES)
31: ARITHMETIC OPERATION (NO)
31: AUTO FILL-IN (NO)
31: NEXT PAGE NUMBER (NO)
31: BRANCHING (TEST LINE: 23 POSITION: 1:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

31: AUTO-INCREMENT (NO)
31: OUTPUT TO MEMORY CELL (NO)
31: OUTPUT TO DISKETTE (NO)

DISTANCE
TO
ANNULUS
16

32: TAB STOP (YES)
32: INPUT TYPE (KEYBOARD)
32: CHARACTER TYPE (DIGIT)
32: SECURITY FIELD (NO)
32: OVERRIDE ERROR FIELD (YES)
32: MINIMUM LENGTH (0)
32: EXACT LENGTH TABLE (NO)
32: RANGE (NO)
32: ALLOWABLE ENTRY (NO)
32: SUBSTITUTION (NO)
32: JUSTIFICATION (RIGHT)
32: FILL CHARACTER ()
32: FLOAT CHARACTER ()
32: DECIMAL POSITIONS (0)
32: SIGN POSITION (LEADING)
32: AUTO CLOSE (YES)
32: ARITHMETIC OPERATION (NO)
32: AUTO FILL-IN (NO)
32: NEXT PAGE NUMBER (NO)
32: BRANCHING (NO)
32: AUTO-INCREMENT (NO)
32: OUTPUT TO MEMORY CELL (NO)
32: OUTPUT TO DISKETTE (YES)

BIOFORM-05

DISTANCE
TO
ANNULUS
17

33: TAB STOP (YES)
33: INPUT TYPE (KEYBOARD)
33: CHARACTER TYPE (DIGIT)
33: SECURITY FIELD (NO)
33: OVERRIDE ERROR FIELD (YES)
33: MINIMUM LENGTH (0)
33: EXACT LENGTH TABLE (NO)
33: RANGE (NO)
33: ALLOWABLE ENTRY (NO)
33: SUBSTITUTION (NO)
33: JUSTIFICATION (RIGHT)
33: FILL CHARACTER ()
33: FLOAT CHARACTER ()
33: DECIMAL POSITIONS (0)
33: SIGN POSITION (LEADING)
33: AUTO CLOSE (YES)
33: ARITHMETIC OPERATION (NO)
33: AUTO FILL-IN (NO)
33: NEXT PAGE NUMBER (NO)
33: BRANCHING (NO)
33: AUTO-INCREMENT (NO)
33: OUTPUT TO MEMORY CELL (NO)
33: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
18

34: TAB STOP (YES)
34: INPUT TYPE (KEYBOARD)
34: CHARACTER TYPE (DIGIT)
34: SECURITY FIELD (NO)
34: OVERRIDE ERROR FIELD (YES)
34: MINIMUM LENGTH (0)
34: EXACT LENGTH TABLE (NO)
34: RANGE (NO)
34: ALLOWABLE ENTRY (NO)
34: SUBSTITUTION (NO)
34: JUSTIFICATION (RIGHT)
34: FILL CHARACTER ()
34: FLOAT CHARACTER ()
34: DECIMAL POSITIONS (0)
34: SIGN POSITION (LEADING)
34: AUTO CLOSE (YES)
34: ARITHMETIC OPERATION (NO)
34: AUTO FILL-IN (NO)
34: NEXT PAGE NUMBER (NO)
34: BRANCHING (NO)
34: AUTO-INCREMENT (NO)
34: OUTPUT TO MEMORY CELL (NO)
34: OUTPUT TO DISKETTE (YES)

BIOFORM-05

DISTANCE
TO
ANNULUS
19

35: TAB STOP (YES)
 35: INPUT TYPE (KEYBOARD)
 35: CHARACTER TYPE (DIGIT)
 35: SECURITY FIELD (NO)
 35: OVERRIDE ERROR FIELD (YES)
 35: MINIMUM LENGTH (0)
 35: EXACT LENGTH TABLE (NO)
 35: RANGE (NO)
 35: ALLOWABLE ENTRY (NO)
 35: SUBSTITUTION (NO)
 35: JUSTIFICATION (RIGHT)
 35: FILL CHARACTER ()
 35: FLOAT CHARACTER ()
 35: DECIMAL POSITIONS (0)
 35: SIGN POSITION (LEADING)
 35: AUTO CLOSE (YES)
 35: ARITHMETIC OPERATION (NO)
 35: AUTO FILL-IN (NO)
 35: NEXT PAGE NUMBER (NO)
 35: BRANCHING (NO)
 35: AUTO-INCREMENT (NO)
 35: OUTPUT TO MEMORY CELL (NO)
 35: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
20

36: TAB STOP (YES)
 36: INPUT TYPE (KEYBOARD)
 36: CHARACTER TYPE (DIGIT)
 36: SECURITY FIELD (NO)
 36: OVERRIDE ERROR FIELD (YES)
 36: MINIMUM LENGTH (0)
 36: EXACT LENGTH TABLE (NO)
 36: RANGE (NO)
 36: ALLOWABLE ENTRY (NO)
 36: SUBSTITUTION (NO)
 36: JUSTIFICATION (RIGHT)
 36: FILL CHARACTER ()
 36: FLOAT CHARACTER ()
 36: DECIMAL POSITIONS (0)
 36: SIGN POSITION (LEADING)
 36: AUTO CLOSE (YES)
 36: ARITHMETIC OPERATION (NO)
 36: AUTO FILL-IN (NO)
 36: NEXT PAGE NUMBER (NO)
 36: BRANCHING (NO)
 36: AUTO-INCREMENT (NO)
 36: OUTPUT TO MEMORY CELL (NO)
 36: OUTPUT TO DISKETTE (YES)

BIOFORM-05

DISTANCE
TO
ANNULUS
21

37: TAB STOP (YES)
 37: INPUT TYPE (KEYBOARD)
 37: CHARACTER TYPE (DIGIT)
 37: SECURITY FIELD (NO)
 37: OVERRIDE ERROR FIELD (YES)
 37: MINIMUM LENGTH (0)
 37: EXACT LENGTH TABLE (NO)
 37: RANGE (NO)
 37: ALLOWABLE ENTRY (NO)
 37: SUBSTITUTION (NO)
 37: JUSTIFICATION (RIGHT)
 37: FILL CHARACTER ()
 37: FLOAT CHARACTER ()
 37: DECIMAL POSITIONS (0)
 37: SIGN POSITION (LEADING)
 37: AUTO CLOSE (YES)
 37: ARITHMETIC OPERATION (NO)
 37: AUTO FILL-IN (NO)
 37: NEXT PAGE NUMBER (NO)
 37: BRANCHING (NO)
 37: AUTO-INCREMENT (NO)
 37: OUTPUT TO MEMORY CELL (NO)
 37: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
22

38: TAB STOP (YES)
 38: INPUT TYPE (KEYBOARD)
 38: CHARACTER TYPE (DIGIT)
 38: SECURITY FIELD (NO)
 38: OVERRIDE ERROR FIELD (YES)
 38: MINIMUM LENGTH (0)
 38: EXACT LENGTH TABLE (NO)
 38: RANGE (NO)
 38: ALLOWABLE ENTRY (NO)
 38: SUBSTITUTION (NO)
 38: JUSTIFICATION (RIGHT)
 38: FILL CHARACTER ()
 38: FLOAT CHARACTER ()
 38: DECIMAL POSITIONS (0)
 38: SIGN POSITION (LEADING)
 38: AUTO CLOSE (YES)
 38: ARITHMETIC OPERATION (NO)
 38: AUTO FILL-IN (NO)
 38: NEXT PAGE NUMBER (NO)
 38: BRANCHING (NO)
 38: AUTO-INCREMENT (NO)
 38: OUTPUT TO MEMORY CELL (NO)
 38: OUTPUT TO DISKETTE (YES)

BIOFORM-05

DISTANCE
TO
ANNULUS
23

39: TAB STOP (YES)
39: INPUT TYPE (KEYBOARD)
39: CHARACTER TYPE (DIGIT)
39: SECURITY FIELD (NO)
39: OVERRIDE ERROR FIELD (YES)
39: MINIMUM LENGTH (0)
39: EXACT LENGTH TABLE (NO)
39: RANGE (NO)
39: ALLOWABLE ENTRY (NO)
39: SUBSTITUTION (NO)
39: JUSTIFICATION (RIGHT)
39: FILL CHARACTER ()
39: FLOAT CHARACTER ()
39: DECIMAL POSITIONS (0)
39: SIGN POSITION (LEADING)
39: AUTO CLOSE (YES)
39: ARITHMETIC OPERATION (NO)
39: AUTO FILL-IN (NO)
39: NEXT PAGE NUMBER (NO)
39: BRANCHING (NO)
39: AUTO-INCREMENT (NO)
39: OUTPUT TO MEMORY CELL (NO)
39: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
24

40: TAB STOP (YES)
40: INPUT TYPE (KEYBOARD)
40: CHARACTER TYPE (DIGIT)
40: SECURITY FIELD (NO)
40: OVERRIDE ERROR FIELD (YES)
40: MINIMUM LENGTH (0)
40: EXACT LENGTH TABLE (NO)
40: RANGE (NO)
40: ALLOWABLE ENTRY (NO)
40: SUBSTITUTION (NO)
40: JUSTIFICATION (RIGHT)
40: FILL CHARACTER ()
40: FLOAT CHARACTER ()
40: DECIMAL POSITIONS (0)
40: SIGN POSITION (LEADING)
40: AUTO CLOSE (YES)
40: ARITHMETIC OPERATION (NO)
40: AUTO FILL-IN (NO)
40: NEXT PAGE NUMBER (NO)
40: BRANCHING (NO)
40: AUTO-INCREMENT (NO)
40: OUTPUT TO MEMORY CELL (NO)
40: OUTPUT TO DISKETTE (YES)

BIOFORM-05

DISTANCE
TO
ANNULUS
25

41: TAB STOP (YES)
 41: INPUT TYPE (KEYBOARD)
 41: CHARACTER TYPE (DIGIT)
 41: SECURITY FIELD (NO)
 41: OVERRIDE ERROR FIELD (YES)
 41: MINIMUM LENGTH (0)
 41: EXACT LENGTH TABLE (NO)
 41: RANGE (NO)
 41: ALLOWABLE ENTRY (NO)
 41: SUBSTITUTION (NO)
 41: JUSTIFICATION (RIGHT)
 41: FILL CHARACTER ()
 41: FLOAT CHARACTER ()
 41: DECIMAL POSITIONS (0)
 41: SIGN POSITION (LEADING)
 41: AUTO CLOSE (YES)
 41: ARITHMETIC OPERATION (NO)
 41: AUTO FILL-IN (NO)
 41: NEXT PAGE NUMBER (NO)
 41: BRANCHING (NO)
 41: AUTO-INCREMENT (NO)
 41: OUTPUT TO MEMORY CELL (NO)
 41: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
26

42: TAB STOP (YES)
 42: INPUT TYPE (KEYBOARD)
 42: CHARACTER TYPE (DIGIT)
 42: SECURITY FIELD (NO)
 42: OVERRIDE ERROR FIELD (YES)
 42: MINIMUM LENGTH (0)
 42: EXACT LENGTH TABLE (NO)
 42: RANGE (NO)
 42: ALLOWABLE ENTRY (NO)
 42: SUBSTITUTION (NO)
 42: JUSTIFICATION (RIGHT)
 42: FILL CHARACTER ()
 42: FLOAT CHARACTER ()
 42: DECIMAL POSITIONS (0)
 42: SIGN POSITION (LEADING)
 42: AUTO CLOSE (YES)
 42: ARITHMETIC OPERATION (NO)
 42: AUTO FILL-IN (NO)
 42: NEXT PAGE NUMBER (NO)
 42: BRANCHING (NO)
 42: AUTO-INCREMENT (NO)
 42: OUTPUT TO MEMORY CELL (NO)
 42: OUTPUT TO DISKETTE (YES)

BIOFORM-05

DISTANCE
TO
ANNULUS
27

43: TAB STOP (YES)
43: INPUT TYPE (KEYBOARD)
43: CHARACTER TYPE (DIGIT)
43: SECURITY FIELD (NO)
43: OVERRIDE ERROR FIELD (YES)
43: MINIMUM LENGTH (0)
43: EXACT LENGTH TABLE (NO)
43: RANGE (NO)
43: ALLOWABLE ENTRY (NO)
43: SUBSTITUTION (NO)
43: JUSTIFICATION (RIGHT)
43: FILL CHARACTER ()
43: FLOAT CHARACTER ()
43: DECIMAL POSITIONS (0)
43: SIGN POSITION (LEADING)
43: AUTO CLOSE (YES)
43: ARITHMETIC OPERATION (NO)
43: AUTO FILL-IN (NO)
43: NEXT PAGE NUMBER (NO)
43: BRANCHING (NO)
43: AUTO-INCREMENT (NO)
43: OUTPUT TO MEMORY CELL (NO)
43: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
28

44: TAB STOP (YES)
44: INPUT TYPE (KEYBOARD)
44: CHARACTER TYPE (DIGIT)
44: SECURITY FIELD (NO)
44: OVERRIDE ERROR FIELD (YES)
44: MINIMUM LENGTH (0)
44: EXACT LENGTH TABLE (NO)
44: RANGE (NO)
44: ALLOWABLE ENTRY (NO)
44: SUBSTITUTION (NO)
44: JUSTIFICATION (RIGHT)
44: FILL CHARACTER ()
44: FLOAT CHARACTER ()
44: DECIMAL POSITIONS (0)
44: SIGN POSITION (LEADING)
44: AUTO CLOSE (YES)
44: ARITHMETIC OPERATION (NO)
44: AUTO FILL-IN (NO)
44: NEXT PAGE NUMBER (NO)
44: BRANCHING (NO)
44: AUTO-INCREMENT (NO)
44: OUTPUT TO MEMORY CELL (NO)
44: OUTPUT TO DISKETTE (YES)

BIOFORM-05

DISTANCE
TO
ANNULUS
29

45: TAB STOP (YES)
45: INPUT TYPE (KEYBOARD)
45: CHARACTER TYPE (DIGIT)
45: SECURITY FIELD (NO)
45: OVERRIDE ERROR FIELD (YES)
45: MINIMUM LENGTH (0)
45: EXACT LENGTH TABLE (NO)
45: RANGE (NO)
45: ALLOWABLE ENTRY (NO)
45: SUBSTITUTION (NO)
45: JUSTIFICATION (RIGHT)
45: FILL CHARACTER ()
45: FLOAT CHARACTER ()
45: DECIMAL POSITIONS (0)
45: SIGN POSITION (LEADING)
45: AUTO CLOSE (YES)
45: ARITHMETIC OPERATION (NO)
45: AUTO FILL-IN (NO)
45: NEXT PAGE NUMBER (NO)
45: BRANCHING (NO)
45: AUTO-INCREMENT (NO)
45: OUTPUT TO MEMORY CELL (NO)
45: OUTPUT TO DISKETTE (YES)

DISTANCE
TO
ANNULUS
30

46: TAB STOP (YES)
46: INPUT TYPE (KEYBOARD)
46: CHARACTER TYPE (DIGIT)
46: SECURITY FIELD (NO)
46: OVERRIDE ERROR FIELD (YES)
46: MINIMUM LENGTH (0)
46: EXACT LENGTH TABLE (NO)
46: RANGE (NO)
46: ALLOWABLE ENTRY (NO)
46: SUBSTITUTION (NO)
46: JUSTIFICATION (RIGHT)
46: FILL CHARACTER ()
46: FLOAT CHARACTER ()
46: DECIMAL POSITIONS (0)
46: SIGN POSITION (LEADING)
46: AUTO CLOSE (YES)
46: ARITHMETIC OPERATION (NO)
46: AUTO FILL-IN (NO)
46: NEXT PAGE NUMBER (NO)
46: BRANCHING (NO)
46: AUTO-INCREMENT (NO)
46: OUTPUT TO MEMORY CELL (NO)
46: OUTPUT TO DISKETTE (YES)

BIOFORM-05

NUMBER OF
SPAWNING
MARKS

47: TAB STOP (YES)
 47: INPUT TYPE (KEYBOARD)
 47: CHARACTER TYPE (DIGIT)
 47: SECURITY FIELD (NO)
 47: OVERRIDE ERROR FIELD. (YES)
 47: MINIMUM LENGTH (0)
 47: EXACT LENGTH TABLE. (NO)
 47: RANGE. (NO)
 47: ALLOWABLE ENTRY (NO)
 47: SUBSTITUTION (NO)
 47: JUSTIFICATION (RIGHT)
 47: FILL CHARACTER ()
 47: FLOAT CHARACTER ()
 47: DECIMAL POSITIONS (0)
 47: SIGN POSITION (LEADING)
 47: AUTO CLOSE (YES)
 47: ARITHMETIC OPERATION (NO)
 47: AUTO FILL-IN (NO)
 47: NEXT PAGE NUMBER (NO)
 47: BRANCHING (NO)
 47: AUTO-INCREMENT (NO)
 47: OUTPUT TO MEMORY CELL (NO)
 47: OUTPUT TO DISKETTE (YES)

FILL

48: TAB STOP (YES)
 48: INPUT TYPE (CONSTANT:)
 48: CHARACTER TYPE (PRINTABLE)
 48: SECURITY FIELD (NO)
 48: OVERRIDE ERROR FIELD (NO)
 48: MINIMUM LENGTH (0)
 48: EXACT LENGTH TABLE. (NO)
 48: RANGE. (NO)
 48: ALLOWABLE ENTRY (NO)
 48: SUBSTITUTION (NO)
 48: JUSTIFICATION (LEFT)
 48: FILL CHARACTER ()
 48: FLOAT CHARACTER ()
 48: DECIMAL POSITIONS (0)
 48: SIGN POSITION (LEADING)
 48: AUTO CLOSE. (YES)
 48: ARITHMETIC OPERATION (NO)
 48: AUTO FILL-IN (NO)
 48: NEXT PAGE NUMBER (NO)
 48: BRANCHING (NO)

48: AUTO-INCREMENT (NO)
 48: OUTPUT TO MEMORY CELL (NO)
 48: OUTPUT TO DISKETTE (YES)

LOAD
RECORD TYPE:
ONE

BIOFORM-05

49: TAB STOP (YES)
49: INPUT TYPE (KEYBOARD)
49: CHARACTER TYPE (PRINTABLE)
49: SECURITY FIELD (NO)
49: OVERRIDE ERROR FIELD (NO)
49: MINIMUM LENGTH (0)
49: EXACT LENGTH TABLE (NO)
49: RANGE (NO)
49: ALLOWABLE ENTRY (NO)
49: SUBSTITUTION (NO)
49: JUSTIFICATION (LEFT)
49: FILL CHARACTER ()
49: FLOAT CHARACTER ()
49: DECIMAL POSITIONS (0)
49: SIGN POSITION (LEADING)
49: AUTO CLOSE (YES)
49: ARITHMETIC OPERATION (NO)
49: AUTO FILL-IN (NO)
49: NEXT PAGE NUMBER (YES - PAGE 1)
49: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

49: AUTO-INCREMENT (NO)
49: OUTPUT TO MEMORY CELL (NO)
49: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE: 2
TWO

50: TAB STOP (YES)
50: INPUT TYPE (KEYBOARD)
50: CHARACTER TYPE (PRINTABLE)
50: SECURITY FIELD (NO)
50: OVERRIDE ERROR FIELD (NO)
50: MINIMUM LENGTH (0)
50: EXACT LENGTH TABLE (NO)
50: RANGE (NO)
50: ALLOWABLE ENTRY (NO)
50: SUBSTITUTION (NO)
50: JUSTIFICATION (LEFT)
50: FILL CHARACTER ()
50: FLOAT CHARACTER ()
50: DECIMAL POSITIONS (0)
50: SIGN POSITION (LEADING)
50: AUTO CLOSE (YES)
50: ARITHMETIC OPERATION (NO)
50: AUTO FILL-IN (NO)
50: NEXT PAGE NUMBER (YES - PAGE 2)
50: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

50: AUTO-INCREMENT (NO)
50: OUTPUT TO MEMORY CELL (NO)
50: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
THREE

BIOFORM-05

51: TAB STOP (YES)
51: INPUT TYPE (KEYBOARD)
51: CHARACTER TYPE (PRINTABLE)
51: SECURITY FIELD (NO)
51: OVERRIDE ERROR FIELD (NO)
51: MINIMUM LENGTH (0)
51: EXACT LENGTH TABLE (NO)
51: RANGE (NO)
51: ALLOWABLE ENTRY (NO)
51: SUBSTITUTION (NO)
51: JUSTIFICATION (LEFT)
51: FILL CHARACTER ()
51: FLOAT CHARACTER ()
51: DECIMAL POSITIONS (0)
51: SIGN POSITION (LEADING)
51: AUTO CLOSE (YES)
51: ARITHMETIC OPERATION (NO)
51: AUTO FILL-IN (NO)
51: NEXT PAGE NUMBER (YES - PAGE 3)
51: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X;))

51: AUTO-INCREMENT (NO)
51: OUTPUT TO MEMORY CELL (NO)
51: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
FOUR

52: TAB STOP (YES)
52: INPUT TYPE (KEYBOARD)
52: CHARACTER TYPE (PRINTABLE)
52: SECURITY FIELD (NO)
52: OVERRIDE ERROR FIELD (NO)
52: MINIMUM LENGTH (0)
52: EXACT LENGTH TABLE (NO)
52: RANGE (NO)
52: ALLOWABLE ENTRY (NO)
52: SUBSTITUTION (NO)
52: JUSTIFICATION (LEFT)
52: FILL CHARACTER ()
52: FLOAT CHARACTER ()
52: DECIMAL POSITIONS (0)
52: SIGN POSITION (LEADING)
52: AUTO CLOSE (YES)
52: ARITHMETIC OPERATION (NO)
52: AUTO FILL-IN (NO)
52: NEXT PAGE NUMBER (YES - PAGE 4)
52: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X;))

52: AUTO-INCREMENT (NO)
52: OUTPUT TO MEMORY CELL (NO)
52: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
FIVE

BIOFORM-05

53: TAB STOP (YES)
53: INPUT TYPE (KEYBOARD)
53: CHARACTER TYPE (PRINTABLE)
53: SECURITY FIELD (NO)
53: OVERRIDE ERROR FIELD (NO)
53: MINIMUM LENGTH (0)
53: EXACT LENGTH TABLE (NO)
53: RANGE (NO)
53: ALLOWABLE ENTRY (NO)
53: SUBSTITUTION (NO)
53: JUSTIFICATION (LEFT)
53: FILL CHARACTER ()
53: FLOAT CHARACTER ()
53: DECIMAL POSITIONS (0)
53: SIGN POSITION (LEADING)
53: AUTO CLOSE (YES)
53: ARITHMETIC OPERATION (NO)
53: AUTO FILL-IN (NO)
53: NEXT PAGE NUMBER (YES - PAGE 5)
53: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

53: AUTO-INCREMENT (NO)
53: OUTPUT TO MEMORY CELL (NO)
53: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:-
SIX

54: TAB STOP (YES)
54: INPUT TYPE (KEYBOARD)
54: CHARACTER TYPE (PRINTABLE)
54: SECURITY FIELD (NO)
54: OVERRIDE ERROR FIELD (NO)
54: MINIMUM LENGTH (0)
54: EXACT LENGTH TABLE (NO)
54: RANGE (NO)
54: ALLOWABLE ENTRY (NO)
54: SUBSTITUTION (NO)
54: JUSTIFICATION (LEFT)
54: FILL CHARACTER ()
54: FLOAT CHARACTER ()
54: DECIMAL POSITIONS (0)
54: SIGN POSITION (LEADING)
54: AUTO CLOSE (YES)
54: ARITHMETIC OPERATION (NO)
54: AUTO FILL-IN (NO)
54: NEXT PAGE NUMBER (YES - PAGE 6)
54: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

54: AUTO-INCREMENT (NO)
54: OUTPUT TO MEMORY CELL (NO)
54: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
SEVEN

BIOFORM-05

55: TAB STOP (YES)
55: INPUT TYPE (KEYBOARD)
55: CHARACTER TYPE (PRINTABLE)
55: SECURITY FIELD (NO)
55: OVERRIDE ERROR FIELD (NO)
55: MINIMUM LENGTH (0)
55: EXACT LENGTH TABLE (NO)
55: RANGE (NO)
55: ALLOWABLE ENTRY (NO)
55: SUBSTITUTION (NO)
55: JUSTIFICATION (LEFT)
55: FILL CHARACTER ()
55: FLOAT CHARACTER ()
55: DECIMAL POSITIONS (0)
55: SIGN POSITION (LEADING)
55: AUTO CLOSE (YES)
55: ARITHMETIC OPERATION (NO)
55: AUTO FILL-IN (NO)
55: NEXT PAGE NUMBER (YES - PAGE 7)
55: BRANCHING (TEST LINE: 23 POSITION: 80*

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X))

55: AUTO-INCREMENT (NO)
55: OUTPUT TO MEMORY CELL (NO)
55: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
EIGHT

56: TAB STOP (YES)
56: INPUT TYPE (KEYBOARD)
56: CHARACTER TYPE (PRINTABLE)
56: SECURITY FIELD (NO)
56: OVERRIDE ERROR FIELD (NO)
56: MINIMUM LENGTH (0)
56: EXACT LENGTH TABLE (NO)
56: RANGE (NO)
56: ALLOWABLE ENTRY (NO)
56: SUBSTITUTION (NO)
56: JUSTIFICATION (LEFT)
56: FILL CHARACTER ()
56: FLOAT CHARACTER ()
56: DECIMAL POSITIONS (0)
56: SIGN POSITION (LEADING)
56: AUTO CLOSE (YES)
56: ARITHMETIC OPERATION (NO)
56: AUTO FILL-IN (NO)
56: NEXT PAGE NUMBER (NO)
56: BRANCHING (NO)

56: AUTO-INCREMENT (NO)
56: OUTPUT TO MEMORY CELL (NO)
56: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
NINE

BIOFORM-05

57: TAB STOP (YES)
57: INPUT TYPE (KEYBOARD)
57: CHARACTER TYPE (PRINTABLE)
57: SECURITY FIELD (NO)
57: OVERRIDE ERROR FIELD (NO)
57: MINIMUM LENGTH (0)
57: EXACT LENGTH TABLE (NO)
57: RANGE (NO)
57: ALLOWABLE ENTRY (NO)
57: SUBSTITUTION (NO)
57: JUSTIFICATION (LEFT)
57: FILL CHARACTER ()
57: FLOAT CHARACTER ()
57: DECIMAL POSITIONS (0)
57: SIGN POSITION (LEADING)
57: AUTO CLOSE (YES)
57: ARITHMETIC OPERATION (NO)
57: AUTO FILL-IN (NO)
57: NEXT PAGE NUMBER (YES - PAGE 8)
57: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

57: AUTO-INCREMENT (NO)
57: OUTPUT TO MEMORY CELL (NO)
57: OUTPUT TO DISKETTE (NO)

BIOFORM-06 ATTRIBUTES

ACTION
FIELD

TAB STOP (YES)
 1: INPUT TYPE (KEYBOARD CONSTANT:)
 1: CHARACTER TYPE (PRINTABLE)
 1: SECURITY FIELD (NO)
 1: OVERRIDE ERROR FIELD (NO)
 1: MINIMUM LENGTH (0)
 1: EXACT LENGTH TABLE (NO)
 1: RANGE (NO)
 1: ALLOWABLE ENTRY (NO)
 1: SUBSTITUTION (NO)
 1: JUSTIFICATION (LEFT)
 1: FILL CHARACTER ()
 1: FLOAT CHARACTER ()
 1: DECIMAL POSITIONS (0)
 1: SIGN POSITION (LEADING)
 1: AUTO CLOSE (YES)
 1: ARITHMETIC OPERATION (NO)
 1: AUTO FILL-IN (NO)
 1: NEXT PAGE NUMBER (NO)
 1: BRANCHING (NO)
 1: AUTO-INCREMENT (NO)
 1: OUTPUT TO MEMORY CELL (NO)
 1: OUTPUT TO DISKETTE (YES)

RECORD
TYPE

2: TAB STOP (YES)
 2: INPUT TYPE (CONSTANT: 6)
 2: CHARACTER TYPE (PRINTABLE)
 2: SECURITY FIELD (NO)
 2: OVERRIDE ERROR FIELD (NO)
 2: MINIMUM LENGTH (0)
 2: EXACT LENGTH TABLE (NO)
 2: RANGE (NO)
 2: ALLOWABLE ENTRY (NO)
 2: SUBSTITUTION (NO)
 2: JUSTIFICATION (LEFT)
 2: FILL CHARACTER ()
 2: FLOAT CHARACTER ()
 2: DECIMAL POSITIONS (0)
 2: SIGN POSITION (LEADING)
 2: AUTO CLOSE (YES)
 2: ARITHMETIC OPERATION (NO)
 2: AUTO FILL-IN (NO)
 2: NEXT PAGE NUMBER (NO)
 2: BRANCHING (NO)
 2: AUTO-INCREMENT (NO)
 2: OUTPUT TO MEMORY CELL (NO)
 2: OUTPUT TO DISKETTE (YES)

BIOFORM-06

SEQUENCE
NO: YEAR

3: TAB STOP (YES)
 3: INPUT TYPE (MEMORY CELL # 1)
 3: CHARACTER TYPE (PRINTABLE)
 3: SECURITY FIELD (NO)
 3: OVERRIDE ERROR FIELD (NO)
 3: MINIMUM LENGTH (0)
 3: EXACT LENGTH TABLE (NO)
 3: RANGE (NO)
 3: ALLOWABLE ENTRY (NO)
 3: SUBSTITUTION (NO)
 3: JUSTIFICATION (LEFT)
 3: FILL CHARACTER ()
 3: FLOAT CHARACTER ()
 3: DECIMAL POSITIONS (0)
 3: SIGN POSITION (LEADING)
 3: AUTO CLOSE (YES)
 3: ARITHMETIC OPERATION (NO)
 3: AUTO FILL-IN (NO)
 3: NEXT PAGE NUMBER (NO)
 3: BRANCHING (NO)
 3: AUTO-INCREMENT (NO)
 3: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 1)
 3: OUTPUT TO DISKETTE (YES)

SEQUENCE
NO: COLLECTION
NO 1

4: TAB STOP (YES)
 4: INPUT TYPE (MEMORY CELL # 2)
 4: CHARACTER TYPE (PRINTABLE)
 4: SECURITY FIELD (NO)
 4: OVERRIDE ERROR FIELD (NO)
 4: MINIMUM LENGTH (0)
 4: EXACT LENGTH TABLE (NO)
 4: RANGE (NO)
 4: ALLOWABLE ENTRY (NO)
 4: SUBSTITUTION (NO)
 4: JUSTIFICATION (LEFT)
 4: FILL CHARACTER ()
 4: FLOAT CHARACTER ()
 4: DECIMAL POSITIONS (0)
 4: SIGN POSITION (LEADING)
 4: AUTO CLOSE (YES)
 4: ARITHMETIC OPERATION (NO)
 4: AUTO FILL-IN (NO)
 4: NEXT PAGE NUMBER (NO)
 4: BRANCHING (NO)
 4: AUTO-INCREMENT (NO)
 4: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 2)
 4: OUTPUT TO DISKETTE (YES)

BIOFORM-06

REPLICATE

5: TAB STOP (YES)
 5: INPUT TYPE (MEMORY CELL # 3)
 5: CHARACTER TYPE (PRINTABLE)
 5: SECURITY FIELD (NO)
 5: OVERRIDE ERROR FIELD (NO)
 5: MINIMUM LENGTH (0)
 5: EXACT LENGTH TABLE (NO)
 5: RANGE (NO)
 5: ALLOWABLE ENTRY (NO)
 5: SUBSTITUTION (NO)
 5: JUSTIFICATION (LEFT)
 5: FILL CHARACTER ()
 5: FLOAT CHARACTER (0)
 5: DECIMAL POSITIONS (0)
 5: SIGN POSITION (LEADING)
 5: AUTO CLOSE (YES)
 5: ARITHMETIC OPERATION (NO)
 5: AUTO FILL-IN (NO)
 5: NEXT PAGE NUMBER (NO)
 5: BRANCHING (NO)
 5: AUTO-INCREMENT (NO)
 5: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 3)
 5: OUTPUT TO DISKETTE (YES)

SPECIES

6: TAB STOP (YES)
 6: INPUT TYPE (MEMORY CELL # 4)
 6: CHARACTER TYPE (PRINTABLE)
 6: SECURITY FIELD (NO)
 6: OVERRIDE ERROR FIELD (NO)
 6: MINIMUM LENGTH (0)
 6: EXACT LENGTH TABLE (NO)
 6: RANGE (NO)
 6: ALLOWABLE ENTRY (NO)
 6: SUBSTITUTION (NO)
 6: JUSTIFICATION (LEFT)
 6: FILL CHARACTER ()
 6: FLOAT CHARACTER ()
 6: DECIMAL POSITIONS (0)
 6: SIGN POSITION (LEADING)
 6: AUTO CLOSE (YES)
 6: ARITHMETIC OPERATION (NO)
 6: AUTO FILL-IN (NO)
 6: NEXT PAGE NUMBER (NO)
 6: BRANCHING (NO)
 6: AUTO-INCREMENT (NO)
 6: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 4)
 6: OUTPUT TO DISKETTE (YES)

BIOFORM-06

STATUS

7: TAB STOP (YES)
 7: INPUT TYPE (MEMORY CELL # 5)
 7: CHARACTER TYPE (PRINTABLE)
 7: SECURITY FIELD (NO)
 7: OVERRIDE ERROR FIELD (NO)
 7: MINIMUM LENGTH (0)
 7: EXACT LENGTH TABLE (NO)
 7: RANGE (NO)
 7: ALLOWABLE ENTRY (NO)
 7: SUBSTITUTION (NO)
 7: JUSTIFICATION (LEFT)
 7: FILL CHARACTER ()
 7: FLOAT CHARACTER ()
 7: DECIMAL POSITIONS (0)
 7: SIGN POSITION (LEADING)
 7: AUTO CLOSE (YES)
 7: ARITHMETIC OPERATION (NO)
 7: AUTO FILL-IN (NO)
 7: NEXT PAGE NUMBER (NO)
 7: BRANCHING (NO)
 7: AUTO-INCREMENT (NO)
 7: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 5)
 7: OUTPUT TO DISKETTE (YES)

FIRST
 LINE
 NO

8: TAB STOP (YES)
 8: INPUT TYPE (KEYBOARD-CONSTANT: 001)
 8: CHARACTER TYPE (DIGIT)
 8: SECURITY FIELD (NO)
 8: OVERRIDE ERROR FIELD (NO)
 8: MINIMUM LENGTH (0)
 8: EXACT LENGTH TABLE (NO)
 8: RANGE (NO)
 8: ALLOWABLE ENTRY (NO)
 8: SUBSTITUTION (NO)
 8: JUSTIFICATION (RIGHT)
 8: FILL CHARACTER (0)
 8: FLOAT CHARACTER (0)
 8: DECIMAL POSITIONS (0)
 8: SIGN POSITION (LEADING)
 8: AUTO CLOSE (YES)
 8: ARITHMETIC OPERATION (NO)
 8: AUTO FILL-IN (NO)
 8: NEXT PAGE NUMBER (NO)
 8: BRANCHING (NO)
 8: AUTO-INCREMENT (NO)
 8: OUTPUT TO MEMORY CELL (NO)
 8: OUTPUT TO DISKETTE (YES)

BIOFORM-06

1. FREQUENCY

9: TAB STOP (YES)
9: INPUT TYPE (KEYBOARD)
9: CHARACTER TYPE (DIGIT)
9: SECURITY FIELD (NO)
9: OVERRIDE ERROR FIELD (YES)
9: MINIMUM LENGTH (0)
9: EXACT LENGTH TABLE (NO)
9: RANGE (NO)
9: ALLOWABLE ENTRY (NO)
9: SUBSTITUTION (NO)
9: JUSTIFICATION (RIGHT)
9: FILL CHARACTER ()
9: FLOAT CHARACTER ()
9: DECIMAL POSITIONS (0)
9: SIGN POSITION (LEADING)
9: AUTO CLOSE (YES)
9: ARITHMETIC OPERATION (NO)
9: AUTO FILL-IN (NO)
9: NEXT PAGE NUMBER (NO)
9: BRANCHING (NO)
9: AUTO-INCREMENT (NO)
9: OUTPUT TO MEMORY CELL (NO)
9: OUTPUT TO DISKETTE (YES)

1. LENGTH

10: TAB STOP (YES)
10: INPUT TYPE (KEYBOARD)
10: CHARACTER TYPE (DIGIT)
10: SECURITY FIELD (NO)
10: OVERRIDE ERROR FIELD (YES)
10: MINIMUM LENGTH (0)
10: EXACT LENGTH TABLE (NO)
10: RANGE (NO)
10: ALLOWABLE ENTRY (NO)
10: SUBSTITUTION (NO)
10: JUSTIFICATION (RIGHT)
10: FILL CHARACTER ()
10: FLOAT CHARACTER ()
10: DECIMAL POSITIONS (0)
10: SIGN POSITION (LEADING)
10: AUTO CLOSE (YES)
10: ARITHMETIC OPERATION (NO)
10: AUTO FILL-IN (NO)
10: NEXT PAGE NUMBER (NO)
10: BRANCHING (NO)
10: AUTO-INCREMENT (NO)
10: OUTPUT TO MEMORY CELL (NO)
10: OUTPUT TO DISKETTE (YES)

BIOFORM-06

2. FREQUENCY

11: TAB STOP (YES)
 11: INPUT TYPE (KEYBOARD)
 11: CHARACTER TYPE (DIGIT)
 11: SECURITY FIELD (NO)
 11: OVERRIDE ERROR FIELD (YES)
 11: MINIMUM LENGTH (0)
 11: EXACT LENGTH TABLE (NO)
 11: RANGE (NO)
 11: ALLOWABLE ENTRY (NO)
 11: SUBSTITUTION (NO)
 11: JUSTIFICATION (RIGHT)
 11: FILL CHARACTER ()
 11: FLOAT CHARACTER ()
 11: DECIMAL POSITIONS (0)
 11: SIGN POSITION (LEADING)
 11: AUTO CLOSE (YES)
 11: ARITHMETIC OPERATION (NO)
 11: AUTO FILL-IN (NO)
 11: NEXT PAGE NUMBER (NO)
 11: BRANCHING (NO)
 11: AUTO-INCREMENT (NO)
 11: OUTPUT TO MEMORY CELL (NO)
 11: OUTPUT TO DISKETTE (YES)

2. LENGTH

12: TAB STOP (YES)
 12: INPUT TYPE (KEYBOARD)
 12: CHARACTER TYPE (DIGIT)
 12: SECURITY FIELD (NO)
 12: OVERRIDE ERROR FIELD (YES)
 12: MINIMUM LENGTH (0)
 12: EXACT LENGTH TABLE (NO)
 12: RANGE (NO)
 12: ALLOWABLE ENTRY (NO)
 12: SUBSTITUTION (NO)
 12: JUSTIFICATION (RIGHT)
 12: FILL CHARACTER ()
 12: FLOAT CHARACTER ()
 12: DECIMAL POSITIONS (0)
 12: SIGN POSITION (LEADING)
 12: AUTO CLOSE (YES)
 12: ARITHMETIC OPERATION (NO)
 12: AUTO FILL-IN (NO)
 12: NEXT PAGE NUMBER (NO)
 12: BRANCHING (NO)
 12: AUTO-INCREMENT (NO)
 12: OUTPUT TO MEMORY CELL (NO)
 12: OUTPUT TO DISKETTE (YES)

BIOFORM-06

3. FREQUENCY

13: TAB STOP (YES)
13: INPUT TYPE (KEYBOARD)
13: CHARACTER TYPE (DIGIT)
13: SECURITY FIELD (NO)
13: OVERRIDE ERROR FIELD (YES)
13: MINIMUM LENGTH (0)
13: EXACT LENGTH TABLE (NO)
13: RANGE (NO)
13: ALLOWABLE ENTRY (NO)
13: SUBSTITUTION (NO)
13: JUSTIFICATION (RIGHT)
13: FILL CHARACTER ()
13: FLOAT CHARACTER ()
13: DECIMAL POSITIONS (0)
13: SIGN POSITION (LEADING)
13: AUTO CLOSE (YES)
13: ARITHMETIC OPERATION (NO)
13: AUTO FILL-IN (NO)
13: NEXT PAGE NUMBER (NO)
13: BRANCHING (NO)
13: AUTO-INCREMENT (NO)
13: OUTPUT TO MEMORY CELL (NO)
13: OUTPUT TO DISKETTE (YES)

3. LENGTH

14: TAB STOP (YES)
14: INPUT TYPE (KEYBOARD)
14: CHARACTER TYPE (DIGIT)
14: SECURITY FIELD (NO)
14: OVERRIDE ERROR FIELD (YES)
14: MINIMUM LENGTH (0)
14: EXACT LENGTH TABLE (NO)
14: RANGE (NO)
14: ALLOWABLE ENTRY (NO)
14: SUBSTITUTION (NO)
14: JUSTIFICATION (RIGHT)
14: FILL CHARACTER ()
14: FLOAT CHARACTER ()
14: DECIMAL POSITIONS (0)
14: SIGN POSITION (LEADING)
14: AUTO CLOSE (YES)
14: ARITHMETIC OPERATION (NO)
14: AUTO FILL-IN (NO)
14: NEXT PAGE NUMBER (NO)
14: BRANCHING (NO)
14: AUTO-INCREMENT (NO)
14: OUTPUT TO MEMORY CELL (NO)
14: OUTPUT TO DISKETTE (YES)

BIOFORM-06

4. FREQUENCY

15: TAB STOP (YES)
 15: INPUT TYPE (KEYBOARD)
 15: CHARACTER TYPE (DIGIT)
 15: SECURITY FIELD (NO)
 15: OVERRIDE ERROR FIELD (YES)
 15: MINIMUM LENGTH (0)
 15: EXACT LENGTH TABLE (NO)
 15: RANGE (NO)
 15: ALLOWABLE ENTRY (NO)
 15: SUBSTITUTION (NO)
 15: JUSTIFICATION (RIGHT)
 15: FILL CHARACTER ()
 15: FLOAT CHARACTER ()
 15: DECIMAL POSITIONS (0)
 15: SIGN POSITION (LEADING)
 15: AUTO CLOSE (YES)
 15: ARITHMETIC OPERATION (NO)
 15: AUTO FILL-IN (NO)
 15: NEXT PAGE NUMBER (NO)
 15: BRANCHING (NO)
 15: AUTO-INCREMENT (NO)
 15: OUTPUT TO MEMORY CELL (NO)
 15: OUTPUT TO DISKETTE (YES)

4. LENGTH

16: TAB STOP (YES)
 16: INPUT TYPE (KEYBOARD)
 16: CHARACTER TYPE (DIGIT)
 16: SECURITY FIELD (NO)
 16: OVERRIDE ERROR FIELD (YES)
 16: MINIMUM LENGTH (0)
 16: EXACT LENGTH TABLE (NO)
 16: RANGE (NO)
 16: ALLOWABLE ENTRY (NO)
 16: SUBSTITUTION (NO)
 16: JUSTIFICATION (RIGHT)
 16: FILL CHARACTER ()
 16: FLOAT CHARACTER ()
 16: DECIMAL POSITIONS (0)
 16: SIGN POSITION (LEADING)
 16: AUTO CLOSE (YES)
 16: ARITHMETIC OPERATION (NO)
 16: AUTO FILL-IN (NO)
 16: NEXT PAGE NUMBER (NO)
 16: BRANCHING (NO)
 16: AUTO-INCREMENT (NO)
 16: OUTPUT TO MEMORY CELL (NO)
 16: OUTPUT TO DISKETTE (YES)

BIOFORM-06

5. FREQUENCY

17: TAB STOP (YES)
 17: INPUT TYPE (KEYBOARD)
 17: CHARACTER TYPE (DIGIT)
 17: SECURITY FIELD (NO)
 17: OVERRIDE ERROR FIELD (YES)
 17: MINIMUM LENGTH (0)
 17: EXACT LENGTH TABLE (NO)
 17: RANGE (NO)
 17: ALLOWABLE ENTRY (NO)
 17: SUBSTITUTION (NO)
 17: JUSTIFICATION (RIGHT)
 17: FILL CHARACTER ()
 17: FLOAT CHARACTER ()
 17: DECIMAL POSITIONS (0)
 17: SIGN POSITION (LEADING)
 17: AUTO CLOSE (YES)
 17: ARITHMETIC OPERATION (NO)
 17: AUTO FILL-IN (NO)
 17: NEXT PAGE NUMBER (NO)
 17: BRANCHING (NO)
 17: AUTO-INCREMENT (NO)
 17: OUTPUT TO MEMORY CELL (NO)
 17: OUTPUT TO DISKETTE (YES)

5. LENGTH

18: TAB STOP (YES)
 18: INPUT TYPE (KEYBOARD)
 18: CHARACTER TYPE (DIGIT)
 18: SECURITY FIELD (NO)
 18: OVERRIDE ERROR FIELD (YES)
 18: MINIMUM LENGTH (0)
 18: EXACT LENGTH TABLE (NO)
 18: RANGE (NO)
 18: ALLOWABLE ENTRY (NO)
 18: SUBSTITUTION (NO)
 18: JUSTIFICATION (RIGHT)
 18: FILL CHARACTER ()
 18: FLOAT CHARACTER ()
 18: DECIMAL POSITIONS (0)
 18: SIGN POSITION (LEADING)
 18: AUTO CLOSE (YES)
 18: ARITHMETIC OPERATION (NO)
 18: AUTO FILL-IN (NO)
 18: NEXT PAGE NUMBER (NO)
 18: BRANCHING (NO)
 18: AUTO-INCREMENT (NO)
 18: OUTPUT TO MEMORY CELL (NO)
 18: OUTPUT TO DISKETTE (YES)

BIOFORM-06

6. FREQUENCY

19: TAB STOP (YES)
 19: INPUT TYPE (KEYBOARD)
 19: CHARACTER TYPE (DIGIT)
 19: SECURITY FIELD (NO)
 19: OVERRIDE ERROR FIELD (YES)
 19: MINIMUM LENGTH (0)
 19: EXACT LENGTH TABLE (NO)
 19: RANGE (NO)
 19: ALLOWABLE ENTRY (NO)
 19: SUBSTITUTION (NO)
 19: JUSTIFICATION (RIGHT)
 19: FILL CHARACTER ()
 19: FLOAT CHARACTER ()
 19: DECIMAL POSITIONS (0)
 19: SIGN POSITION (LEADING)
 19: AUTO CLOSE (YES)
 19: ARITHMETIC OPERATION (NO)
 19: AUTO FILL-IN (NO)
 19: NEXT PAGE NUMBER (NO)
 19: BRANCHING (NO)
 19: AUTO-INCREMENT (NO)
 19: OUTPUT TO MEMORY CELL (NO)
 19: OUTPUT TO DISKETTE (YES)

6. LENGTH

20: TAB STOP (YES)
 20: INPUT TYPE (KEYBOARD)
 20: CHARACTER TYPE (DIGIT)
 20: SECURITY FIELD (NO)
 20: OVERRIDE ERROR FIELD (YES)
 20: MINIMUM LENGTH (0)
 20: EXACT LENGTH TABLE (NO)
 20: RANGE (NO)
 20: ALLOWABLE ENTRY (NO)
 20: SUBSTITUTION (NO)
 20: JUSTIFICATION (RIGHT)
 20: FILL CHARACTER ()
 20: FLOAT CHARACTER ()
 20: DECIMAL POSITIONS (0)
 20: SIGN POSITION (LEADING)
 20: AUTO CLOSE (YES)
 20: ARITHMETIC OPERATION (NO)
 20: AUTO FILL-IN (NO)
 20: NEXT PAGE NUMBER (NO)
 20: BRANCHING (NO)
 20: AUTO-INCREMENT (NO)
 20: OUTPUT TO MEMORY CELL (NO)
 20: OUTPUT TO DISKETTE (YES)

BIOFORM-06

7. FREQUENCY

21: TAB STOP (YES)
 21: INPUT TYPE (KEYBOARD)
 21: CHARACTER TYPE (DIGIT)
 21: SECURITY FIELD (NO)
 21: OVERRIDE ERROR FIELD (YES)
 21: MINIMUM LENGTH (0)
 21: EXACT LENGTH TABLE (NO)
 21: RANGE (NO)
 21: ALLOWABLE ENTRY (NO)
 21: SUBSTITUTION (NO)
 21: JUSTIFICATION (RIGHT)
 21: FILL CHARACTER ()
 21: FLOAT CHARACTER ()
 21: DECIMAL POSITIONS (0)
 21: SIGN POSITION (LEADING)
 21: AUTO CLOSE (YES)
 21: ARITHMETIC OPERATION (NO)
 21: AUTO FILL-IN (NO)
 21: NEXT PAGE NUMBER (NO)
 21: BRANCHING (NO)
 21: AUTO-INCREMENT (NO)
 21: OUTPUT TO MEMORY CELL (NO)
 21: OUTPUT TO DISKETTE (YES)

7. LENGTH

22: TAB STOP (YES)
 22: INPUT TYPE (KEYBOARD)
 22: CHARACTER TYPE (DIGIT)
 22: SECURITY FIELD (NO)
 22: OVERRIDE ERROR FIELD (YES)
 22: MINIMUM LENGTH (0)
 22: EXACT LENGTH TABLE (NO)
 22: RANGE (NO)
 22: ALLOWABLE ENTRY (NO)
 22: SUBSTITUTION (NO)
 22: JUSTIFICATION (RIGHT)
 22: FILL CHARACTER ()
 22: FLOAT CHARACTER ()
 22: DECIMAL POSITIONS (0)
 22: SIGN POSITION (LEADING)
 22: AUTO CLOSE (YES)
 22: ARITHMETIC OPERATION (NO)
 22: AUTO FILL-IN (NO)
 22: NEXT PAGE NUMBER (NO)
 22: BRANCHING (NO)
 22: AUTO-INCREMENT (NO)
 22: OUTPUT TO MEMORY CELL (NO)
 22: OUTPUT TO DISKETTE (YES)

BIOFORM-06

8. FREQUENCY

23: TAB STOP (YES)
23: INPUT TYPE (KEYBOARD)
23: CHARACTER TYPE (DIGIT)
23: SECURITY FIELD (NO)
23: OVERRIDE ERROR FIELD (YES)
23: MINIMUM LENGTH (0)
23: EXACT LENGTH TABLE (NO)
23: RANGE (NO)
23: ALLOWABLE ENTRY (NO)
23: SUBSTITUTION (NO)
23: JUSTIFICATION (RIGHT)
23: FILL CHARACTER ()
23: FLOAT CHARACTER ()
23: DECIMAL POSITIONS (0)
23: SIGN POSITION (LEADING)
23: AUTO CLOSE (YES)
23: ARITHMETIC OPERATION (NO)
23: AUTO FILL-IN (NO)
23: NEXT PAGE NUMBER (NO)
23: BRANCHING (NO)
23: AUTO-INCREMENT (NO)
23: OUTPUT TO MEMORY CELL (NO)
23: OUTPUT TO DISKETTE (YES)

8. LENGTH

24: TAB STOP (YES)
24: INPUT TYPE (KEYBOARD)
24: CHARACTER TYPE (DIGIT)
24: SECURITY FIELD (NO)
24: OVERRIDE ERROR FIELD (YES)
24: MINIMUM LENGTH (0)
24: EXACT LENGTH TABLE (NO)
24: RANGE (NO)
24: ALLOWABLE ENTRY (NO)
24: SUBSTITUTION (NO)
24: JUSTIFICATION (RIGHT)
24: FILL CHARACTER ()
24: FLOAT CHARACTER ()
24: DECIMAL POSITIONS (0)
24: SIGN POSITION (LEADING)
24: AUTO CLOSE (YES)
24: ARITHMETIC OPERATION (NO)
24: AUTO FILL-IN (NO)
24: NEXT PAGE NUMBER (NO)
24: BRANCHING (NO)
24: AUTO-INCREMENT (NO)
24: OUTPUT TO MEMORY CELL (NO)
24: OUTPUT TO DISKETTE (YES)

BIOFORM-06

9. FREQUENCY

25: TAB STOP (YES)
 25: INPUT TYPE (KEYBOARD)
 25: CHARACTER TYPE (DIGIT)
 25: SECURITY FIELD (NO)
 25: OVERRIDE ERROR FIELD (YES)
 25: MINIMUM LENGTH (0)
 25: EXACT LENGTH TABLE (NO)
 25: RANGE (NO)
 25: ALLOWABLE ENTRY (NO)
 25: SUBSTITUTION (NO)
 25: JUSTIFICATION (RIGHT)
 25: FILL CHARACTER ()
 25: FLOAT CHARACTER ()
 25: DECIMAL POSITIONS (0)
 25: SIGN POSITION (LEADING)
 25: AUTO CLOSE (YES)
 25: ARITHMETIC OPERATION (NO)
 25: AUTO FILL-IN (NO)
 25: NEXT PAGE NUMBER (NO)
 25: BRANCHING (NO)
 25: AUTO-INCREMENT (NO)
 25: OUTPUT TO MEMORY CELL (NO)
 25: OUTPUT TO DISKETTE (YES)

9. LENGTH

26: TAB STOP (YES)
 26: INPUT TYPE (KEYBOARD)
 26: CHARACTER TYPE (DIGIT)
 26: SECURITY FIELD (NO)
 26: OVERRIDE ERROR FIELD (YES)
 26: MINIMUM LENGTH (0)
 26: EXACT LENGTH TABLE (NO)
 26: RANGE (NO)
 26: ALLOWABLE ENTRY (NO)
 26: SUBSTITUTION (NO)
 26: JUSTIFICATION (RIGHT)
 26: FILL CHARACTER ()
 26: FLOAT CHARACTER ()
 26: DECIMAL POSITIONS (0)
 26: SIGN POSITION (LEADING)
 26: AUTO CLOSE (YES)
 26: ARITHMETIC OPERATION (NO)
 26: AUTO FILL-IN (NO)
 26: NEXT PAGE NUMBER (NO)
 26: BRANCHING (NO)
 26: AUTO-INCREMENT (NO)
 26: OUTPUT TO MEMORY CELL (NO)
 26: OUTPUT TO DISKETTE (YES)

BIOFORM-06

10. FREQUENCY

27: TAB STOP (YES)
27: INPUT TYPE (KEYBOARD)
27: CHARACTER TYPE (DIGIT)
27: SECURITY FIELD (NO)
27: OVERRIDE ERROR FIELD (YES)
27: MINIMUM LENGTH (0)
27: EXACT LENGTH TABLE (NO)
27: RANGE (NO)
27: ALLOWABLE ENTRY (NO)
27: SUBSTITUTION (NO)
27: JUSTIFICATION (RIGHT)
27: FILL CHARACTER ()
27: FLOAT CHARACTER ()
27: DECIMAL POSITIONS (0)
27: SIGN POSITION (LEADING)
27: AUTO CLOSE (YES)
27: ARITHMETIC OPERATION (NO)
27: AUTO FILL-IN (NO)
27: NEXT PAGE NUMBER (NO)
27: BRANCHING (NO)
27: AUTO-INCREMENT (NO)
27: OUTPUT TO MEMORY CELL (NO)
27: OUTPUT TO DISKETTE (YES)

10. LENGTH

28: TAB STOP (YES)
28: INPUT TYPE (KEYBOARD)
28: CHARACTER TYPE (DIGIT)
28: SECURITY FIELD (NO)
28: OVERRIDE ERROR FIELD (YES)
28: MINIMUM LENGTH (0)
28: EXACT LENGTH TABLE (NO)
28: RANGE (NO)
28: ALLOWABLE ENTRY (NO)
28: SUBSTITUTION (NO)
28: JUSTIFICATION (RIGHT)
28: FILL CHARACTER ()
28: FLOAT CHARACTER ()
28: DECIMAL POSITIONS (0)
28: SIGN POSITION (LEADING)
28: AUTO CLOSE (YES)
28: ARITHMETIC OPERATION (NO)
28: AUTO FILL-IN (NO)
28: NEXT PAGE NUMBER (NO)
28: BRANCHING (NO)
28: AUTO-INCREMENT (NO)
28: OUTPUT TO MEMORY CELL (NO)
28: OUTPUT TO DISKETTE (YES)

BIOFORM-06

11. FREQUENCY

29: TAB STOP (YES)
 29: INPUT TYPE (KEYBOARD)
 29: CHARACTER TYPE (DIGIT)
 29: SECURITY FIELD (NO)
 29: OVERRIDE ERROR FIELD (YES)
 29: MINIMUM LENGTH (0)
 29: EXACT LENGTH TABLE (NO)
 29: RANGE (NO)
 29: ALLOWABLE ENTRY (NO)
 29: SUBSTITUTION (NO)
 29: JUSTIFICATION (RIGHT)
 29: FILL CHARACTER ()
 29: FLOAT CHARACTER ()
 29: DECIMAL POSITIONS (0)
 29: SIGN POSITION (LEADING)
 29: AUTO CLOSE (YES)
 29: ARITHMETIC OPERATION (NO)
 29: AUTO FILL-IN (NO)
 29: NEXT PAGE NUMBER (NO)
 29: BRANCHING (NO)
 29: AUTO-INCREMENT (NO)
 29: OUTPUT TO MEMORY CELL (NO)
 29: OUTPUT TO DISKETTE (YES)

11. LENGTH

30: TAB STOP (YES)
 30: INPUT TYPE (KEYBOARD)
 30: CHARACTER TYPE (DIGIT)
 30: SECURITY FIELD (NO)
 30: OVERRIDE ERROR FIELD (YES)
 30: MINIMUM LENGTH (0)
 30: EXACT LENGTH TABLE (NO)
 30: RANGE (NO)
 30: ALLOWABLE ENTRY (NO)
 30: SUBSTITUTION (NO)
 30: JUSTIFICATION (RIGHT)
 30: FILL CHARACTER ()
 30: FLOAT CHARACTER ()
 30: DECIMAL POSITIONS (0)
 30: SIGN POSITION (LEADING)
 30: AUTO CLOSE (YES)
 30: ARITHMETIC OPERATION (NO)
 30: AUTO FILL-IN (NO)
 30: NEXT PAGE NUMBER (NO)
 30: BRANCHING (NO)
 30: AUTO-INCREMENT (NO)
 30: OUTPUT TO MEMORY CELL (NO)
 30: OUTPUT TO DISKETTE (YES)

BIOFORM-06

12. FREQUENCY

31: TAB STOP (YES)
 31: INPUT TYPE (KEYBOARD)
 31: CHARACTER TYPE (DIGIT)
 31: SECURITY FIELD (NO)
 31: OVERRIDE ERROR FIELD (YES)
 31: MINIMUM LENGTH (0)
 31: EXACT LENGTH TABLE (NO)
 31: RANGE (NO)
 31: ALLOWABLE ENTRY (NO)
 31: SUBSTITUTION (NO)
 31: JUSTIFICATION (RIGHT)
 31: FILL CHARACTER ()
 31: FLOAT CHARACTER ()
 31: DECIMAL POSITIONS (0)
 31: SIGN POSITION (LEADING)
 31: AUTO CLOSE (YES)
 31: ARITHMETIC OPERATION (NO)
 31: AUTO FILL-IN (NO)
 31: NEXT PAGE NUMBER (NO)
 31: BRANCHING (NO)
 31: AUTO-INCREMENT (NO)
 31: OUTPUT TO MEMORY CELL (NO)
 31: OUTPUT TO DISKETTE (YES)

12. LENGTH

32: TAB STOP (YES)
 32: INPUT TYPE (KEYBOARD)
 32: CHARACTER TYPE (DIGIT)
 32: SECURITY FIELD (NO)
 32: OVERRIDE ERROR FIELD (YES)
 32: MINIMUM LENGTH (0)
 32: EXACT LENGTH TABLE (NO)
 32: RANGE (NO)
 32: ALLOWABLE ENTRY (NO)
 32: SUBSTITUTION (NO)
 32: JUSTIFICATION (RIGHT)
 32: FILL CHARACTER ()
 32: FLOAT CHARACTER ()
 32: DECIMAL POSITIONS (0)
 32: SIGN POSITION (LEADING)
 32: AUTO CLOSE (YES)
 32: ARITHMETIC OPERATION (NO)
 32: AUTO FILL-IN (NO)
 32: NEXT PAGE NUMBER (NO)
 32: BRANCHING (NO)
 32: AUTO-INCREMENT (NO)
 32: OUTPUT TO MEMORY CELL (NO)
 32: OUTPUT TO DISKETTE (YES)

BIOFORM-06

13. FREQUENCY

33: TAB STOP (YES)
 33: INPUT TYPE (KEYBOARD)
 33: CHARACTER TYPE (DIGIT)
 33: SECURITY FIELD (NO)
 33: OVERRIDE ERROR FIELD (YES)
 33: MINIMUM LENGTH (0)
 33: EXACT LENGTH TABLE (NO)
 33: RANGE (NO)
 33: ALLOWABLE ENTRY (NO)
 33: SUBSTITUTION (NO)
 33: JUSTIFICATION (RIGHT)
 33: FILL CHARACTER ()
 33: FLOAT CHARACTER ()
 33: DECIMAL POSITIONS (0)
 33: SIGN POSITION (LEADING)
 33: AUTO CLOSE (YES)
 33: ARITHMETIC OPERATION (NO)
 33: AUTO FILL-IN (NO)
 33: NEXT PAGE NUMBER (NO)
 33: BRANCHING (NO)
 33: AUTO-INCREMENT (NO)
 33: OUTPUT TO MEMORY CELL (NO)
 33: OUTPUT TO DISKETTE (YES)

13. LENGTH

34: TAB STOP (YES)
 34: INPUT TYPE (KEYBOARD)
 34: CHARACTER TYPE (DIGIT)
 34: SECURITY FIELD (NO)
 34: OVERRIDE ERROR FIELD (YES)
 34: MINIMUM LENGTH (0)
 34: EXACT LENGTH TABLE (NO)
 34: RANGE (NO)
 34: ALLOWABLE ENTRY (NO)
 34: SUBSTITUTION (NO)
 34: JUSTIFICATION (RIGHT)
 34: FILL CHARACTER ()
 34: FLOAT CHARACTER ()
 34: DECIMAL POSITIONS (0)
 34: SIGN POSITION (LEADING)
 34: AUTO CLOSE (YES)
 34: ARITHMETIC OPERATION (NO)
 34: AUTO FILL-IN (NO)
 34: NEXT PAGE NUMBER (NO)
 34: BRANCHING (NO)
 34: AUTO-INCREMENT (NO)
 34: OUTPUT TO MEMORY CELL (NO)
 34: OUTPUT TO DISKETTE (YES)

BIOFORM-06

14. FREQUENCY

35: TAB STOP (YES)
 35: INPUT TYPE (KEYBOARD)
 35: CHARACTER TYPE (DIGIT)
 35: SECURITY FIELD (NO)
 35: OVERRIDE ERROR FIELD (YES)
 35: MINIMUM LENGTH (0)
 35: EXACT LENGTH TABLE (NO)
 35: RANGE (NO)
 35: ALLOWABLE ENTRY (NO)
 35: SUBSTITUTION (NO)
 35: JUSTIFICATION (RIGHT)
 35: FILL CHARACTER ()
 35: FLOAT CHARACTER ()
 35: DECIMAL POSITIONS (0)
 35: SIGN POSITION (LEADING)
 35: AUTO CLOSE (YES)
 35: ARITHMETIC OPERATION (NO)
 35: AUTO FILL-IN (NO)
 35: NEXT PAGE NUMBER (NO)
 35: BRANCHING (NO)
 35: AUTO-INCREMENT (NO)
 35: OUTPUT TO MEMORY CELL (NO)
 35: OUTPUT TO DISKETTE (YES)

14. LENGTH

36: TAB STOP (YES)
 36: INPUT TYPE (KEYBOARD)
 36: CHARACTER TYPE (DIGIT)
 36: SECURITY FIELD (NO)
 36: OVERRIDE ERROR FIELD (YES)
 36: MINIMUM LENGTH (0)
 36: EXACT LENGTH TABLE (NO)
 36: RANGE (NO)
 36: ALLOWABLE ENTRY (NO)
 36: SUBSTITUTION (NO)
 36: JUSTIFICATION (RIGHT)
 36: FILL CHARACTER ()
 36: FLOAT CHARACTER ()
 36: DECIMAL POSITIONS (0)
 36: SIGN POSITION (LEADING)
 36: AUTO CLOSE (YES)
 36: ARITHMETIC OPERATION (NO)
 36: AUTO FILL-IN (NO)
 36: NEXT PAGE NUMBER (NO)
 36: BRANCHING (NO)
 36: AUTO-INCREMENT (NO)
 36: OUTPUT TO MEMORY CELL (NO)
 36: OUTPUT TO DISKETTE (YES)

BIOFORM-06

FILL

- 37: TAB STOP (YES)
- 37: INPUT TYPE (CONSTANT:)
- 37: CHARACTER TYPE (PRINTABLE)
- 37: SECURITY FIELD (NO)
- 37: OVERRIDE ERROR FIELD (NO)
- 37: MINIMUM LENGTH (0)
- 37: EXACT LENGTH TABLE (NO)
- 37: RANGE (NO)
- 37: ALLOWABLE ENTRY (NO)
- 37: SUBSTITUTION (NO)
- 37: JUSTIFICATION (LEFT)
- 37: FILL CHARACTER ()
- 37: FLOAT CHARACTER ()
- 37: DECIMAL POSITIONS (0)
- 37: SIGN POSITION (LEADING)
- 37: AUTO CLOSE (YES)
- 37: ARITHMETIC OPERATION (NO)
- 37: AUTO FILL-IN (NO)
- 37: NEXT PAGE NUMBER (NO)
- 37: BRANCHING (NO)
- 37: AUTO-INCREMENT (NO)
- 37: OUTPUT TO MEMORY CELL (NO)
- 37: OUTPUT TO DISKETTE (YES)

LOAD
RECORD TYPE:
ONE

- 38: TAB STOP (YES)
- 38: INPUT TYPE (KEYBOARD)
- 38: CHARACTER TYPE (PRINTABLE)
- 38: SECURITY FIELD (NO)
- 38: OVERRIDE ERROR FIELD (NO)
- 38: MINIMUM LENGTH (0)
- 38: EXACT LENGTH TABLE (NO)
- 38: RANGE (NO)
- 38: ALLOWABLE ENTRY (NO)
- 38: SUBSTITUTION (NO)
- 38: JUSTIFICATION (LEFT)
- 38: FILL CHARACTER ()
- 38: FLOAT CHARACTER ()
- 38: DECIMAL POSITIONS (0)
- 38: SIGN POSITION (LEADING)
- 38: AUTO CLOSE (YES)
- 38: ARITHMETIC OPERATION (NO)
- 38: AUTO FILL-IN (NO)
- 38: NEXT PAGE NUMBER (YES - PAGE 1)
- 38: BRANCHING (TEST LINE: 23 POSITION: 80:

- BRANCH: MINIMUM LENGTH (0)
- BRANCH: MAXIMUM LENGTH (1)
- BRANCH: EXACT LENGTH TABLE (NO)
- BRANCH: RANGE (NO)
- BRANCH: ALLOWABLE ENTRY (YES - RAM:
X;))
- 38: AUTO-INCREMENT (NO)
- 38: OUTPUT TO MEMORY CELL (NO)
- 38: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
TWO

BIOFORM-06

39: TAB STOP (YES)
39: INPUT TYPE (KEYBOARD)
39: CHARACTER TYPE (PRINTABLE)
39: SECURITY FIELD (NO)
39: OVERRIDE ERROR FIELD (NO)
39: MINIMUM LENGTH (0)
39: EXACT LENGTH TABLE (NO)
39: RANGE (NO)
39: ALLOWABLE ENTRY (NO)
39: SUBSTITUTION (NO)
39: JUSTIFICATION (LEFT)
39: FILL CHARACTER ()
39: FLOAT CHARACTER ()
39: DECIMAL POSITIONS (0)
39: SIGN POSITION (LEADING)
39: AUTO CLOSE (YES)
39: ARITHMETIC OPERATION (NO)
39: AUTO FILL-IN (NO)
39: NEXT PAGE NUMBER (YES - PAGE 2)
39: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

39: AUTO-INCREMENT (NO)
39: OUTPUT TO MEMORY CELL (NO)
39: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
THREE

40: TAB STOP (YES)
40: INPUT TYPE (KEYBOARD)
40: CHARACTER TYPE (PRINTABLE)
40: SECURITY FIELD (NO)
40: OVERRIDE ERROR FIELD (NO)
40: MINIMUM LENGTH (0)
40: EXACT LENGTH TABLE (NO)
40: RANGE (NO)
40: ALLOWABLE ENTRY (NO)
40: SUBSTITUTION (NO)
40: JUSTIFICATION (LEFT)
40: FILL CHARACTER ()
40: FLOAT CHARACTER ()
40: DECIMAL POSITIONS (0)
40: SIGN POSITION (LEADING)
40: AUTO CLOSE (YES)
40: ARITHMETIC OPERATION (NO)
40: AUTO FILL-IN (NO)
40: NEXT PAGE NUMBER (YES - PAGE 3)
40: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

40: AUTO-INCREMENT (NO)
40: OUTPUT TO MEMORY CELL (NO)
40: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
FOUR

BIOFORM-06

41: TAB STOP (YES)
41: INPUT TYPE (KEYBOARD)
41: CHARACTER TYPE (PRINTABLE)
41: SECURITY FIELD (NO)
41: OVERRIDE ERROR FIELD (NO)
41: MINIMUM LENGTH (0)
41: EXACT LENGTH TABLE (NO)
41: RANGE (NO)
41: ALLOWABLE ENTRY (NO)
41: SUBSTITUTION (NO)
41: JUSTIFICATION (LEFT)
41: FILL CHARACTER ()
41: FLOAT CHARACTER ()
41: DECIMAL POSITIONS (0)
41: SIGN POSITION (LEADING)
41: AUTO CLOSE (YES)
41: ARITHMETIC OPERATION (NO)
41: AUTO FILL-IN (NO)
41: NEXT PAGE NUMBER (YES - PAGE 4)
41: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X;))

41: AUTO-INCREMENT (NO)
41: OUTPUT TO MEMORY CELL (NO)
41: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
FIVE

42: TAB STOP (YES)
42: INPUT TYPE (KEYBOARD)
42: CHARACTER TYPE (PRINTABLE)
42: SECURITY FIELD (NO)
42: OVERRIDE ERROR FIELD (NO)
42: MINIMUM LENGTH (0)
42: EXACT LENGTH TABLE (NO)
42: RANGE (NO)
42: ALLOWABLE ENTRY (NO)
42: SUBSTITUTION (NO)
42: JUSTIFICATION (LEFT)
42: FILL CHARACTER ()
42: FLOAT CHARACTER ()
42: DECIMAL POSITIONS (0)
42: SIGN POSITION (LEADING)
42: AUTO CLOSE (YES)
42: ARITHMETIC OPERATION (NO)
42: AUTO FILL-IN (NO)
42: NEXT PAGE NUMBER (YES - PAGE 5)
42: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X;))

42: AUTO-INCREMENT (NO)
42: OUTPUT TO MEMORY CELL (NO)
42: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
SIX

BIOFORM-06

43: TAB STOP (YES)
43: INPUT TYPE (KEYBOARD)
43: CHARACTER TYPE (PRINTABLE)
43: SECURITY FIELD (NO)
43: OVERRIDE ERROR FIELD (NO)
43: MINIMUM LENGTH (0)
43: EXACT LENGTH TABLE (NO)
43: RANGE (NO)
43: ALLOWABLE ENTRY (NO)
43: SUBSTITUTION (NO)
43: JUSTIFICATION (LEFT)
43: FILL CHARACTER ()
43: FLOAT CHARACTER ()
43: DECIMAL POSITIONS (0)
43: SIGN POSITION (LEADING)
43: AUTO CLOSE (YES)
43: ARITHMETIC OPERATION (NO)
43: AUTO FILL-IN (NO)
43: NEXT PAGE NUMBER (YES - PAGE 6)
43: BRANCHING (TEST LINE: 23 POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X))

43: AUTO-INCREMENT (NO)
43: OUTPUT TO MEMORY CELL (NO)
43: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
SEVEN

44: TAB STOP (YES)
44: INPUT TYPE (KEYBOARD)
44: CHARACTER TYPE (PRINTABLE)
44: SECURITY FIELD (NO)
44: OVERRIDE ERROR FIELD (NO)
44: MINIMUM LENGTH (0)
44: EXACT LENGTH TABLE (NO)
44: RANGE (NO)
44: ALLOWABLE ENTRY (NO)
44: SUBSTITUTION (NO)
44: JUSTIFICATION (LEFT)
44: FILL CHARACTER ()
44: FLOAT CHARACTER ()
44: DECIMAL POSITIONS (0)
44: SIGN POSITION (LEADING)
44: AUTO CLOSE (YES)
44: ARITHMETIC OPERATION (NO)
44: AUTO FILL-IN (NO)
44: NEXT PAGE NUMBER (YES - PAGE 7)
44: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X))

44: AUTO-INCREMENT (NO)
44: OUTPUT TO MEMORY CELL (NO)
44: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
EIGHT

BIOFORM-06

45: TAB STOP (YES)
45: INPUT TYPE (KEYBOARD)
45: CHARACTER TYPE (PRINTABLE)
45: SECURITY FIELD (NO)
45: OVERRIDE ERROR FIELD (NO)
45: MINIMUM LENGTH (0)
45: EXACT LENGTH TABLE (NO)
45: RANGE (NO)
45: ALLOWABLE ENTRY (NO)
45: SUBSTITUTION (NO)
45: JUSTIFICATION (LEFT)
45: FILL CHARACTER ()
45: FLOAT CHARACTER ()
45: DECIMAL POSITIONS (0)
45: SIGN POSITION (LEADING)
45: AUTO CLOSE (YES)
45: ARITHMETIC OPERATION (NO)
45: AUTO FILL-IN (NO)
45: NEXT PAGE NUMBER (NO)
45: BRANCHING (NO)

45: AUTO-INCREMENT (NO)
45: OUTPUT TO MEMORY CELL (NO)
45: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
NINE

46: TAB STOP (YES)
46: INPUT TYPE (KEYBOARD)
46: CHARACTER TYPE (PRINTABLE)
46: SECURITY FIELD (NO)
46: OVERRIDE ERROR FIELD (NO)
46: MINIMUM LENGTH (0)
46: EXACT LENGTH TABLE (NO)
46: RANGE (NO)
46: ALLOWABLE ENTRY (NO)
46: SUBSTITUTION (NO)
46: JUSTIFICATION (LEFT)
46: FILL CHARACTER ()
46: FLOAT CHARACTER ()
46: DECIMAL POSITIONS (0)
46: SIGN POSITION (LEADING)
46: AUTO CLOSE (YES)
46: ARITHMETIC OPERATION (NO)
46: AUTO FILL-IN (NO)
46: NEXT PAGE NUMBER (YES - PAGE 8)
46: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

46: AUTO-INCREMENT (NO)
46: OUTPUT TO MEMORY CELL (NO)
46: OUTPUT TO DISKETTE (NO)

BIOFORM - 07 ATTRIBUTES

ACTION
FIELD

TAB STOP (YES)
 1: INPUT TYPE (KEYBOARD-CONSTANT:)
 1: CHARACTER TYPE (ALPHA)
 1: SECURITY FIELD (NO)
 1: OVERRIDE ERROR FIELD (NO)
 1: MINIMUM LENGTH (0)
 1: EXACT LENGTH TABLE (NO)
 1: RANGE (NO)
 1: ALLOWABLE ENTRY (YES:
 DRIVE: 1 FILE: ACTION)
 1: SUBSTITUTION (NO)
 1: JUSTIFICATION (LEFT)
 1: FILL CHARACTER ()
 1: FLOAT CHARACTER ()
 1: DECIMAL POSITIONS (0)
 1: SIGN POSITION (LEADING)
 1: AUTO CLOSE (YES)
 1: ARITHMETIC OPERATION (NO)
 1: AUTO FILL-IN (NO)
 1: NEXT PAGE NUMBER (NO)
 1: BRANCHING (NO)
 1: AUTO-INCREMENT (NO)
 1: OUTPUT TO MEMORY CELL (NO)
 1: OUTPUT TO DISKETTE (YES)

RECORD
TYPE

2: TAB STOP (YES)
 2: INPUT TYPE (CONSTANT: 7)
 2: CHARACTER TYPE (PRINTABLE)
 2: SECURITY FIELD (NO)
 2: OVERRIDE ERROR FIELD (NO)
 2: MINIMUM LENGTH (0)
 2: EXACT LENGTH TABLE (NO)
 2: RANGE (NO)
 2: ALLOWABLE ENTRY (NO)
 2: SUBSTITUTION (NO)
 2: JUSTIFICATION (LEFT)
 2: FILL CHARACTER ()
 2: FLOAT CHARACTER ()
 2: DECIMAL POSITIONS (0)
 2: SIGN POSITION (LEADING)
 2: AUTO CLOSE (YES)
 2: ARITHMETIC OPERATION (NO)
 2: AUTO FILL-IN (NO)
 2: NEXT PAGE NUMBER (NO)
 2: BRANCHING (NO)
 2: AUTO-INCREMENT (NO)
 2: OUTPUT TO MEMORY CELL (NO)
 2: OUTPUT TO DISKETTE (YES)

BIOFORM-07

SEQUENCE
NO: YEAR

3: TAB STOP (YES)
 3: INPUT TYPE (MEMORY CELL # 1)
 3: CHARACTER TYPE (PRINTABLE)
 3: SECURITY FIELD (NO)
 3: OVERRIDE ERROR FIELD (NO)
 3: MINIMUM LENGTH (0)
 3: EXACT LENGTH TABLE (NO)
 3: RANGE (NO)
 3: ALLOWABLE ENTRY (NO)
 3: SUBSTITUTION (NO)
 3: JUSTIFICATION (LEFT)
 3: FILL CHARACTER ()
 3: FLOAT CHARACTER ()
 3: DECIMAL POSITIONS (0)
 3: SIGN POSITION (LEADING)
 3: AUTO CLOSE (YES)
 3: ARITHMETIC OPERATION (NO)
 3: AUTO FILL-IN (NO)
 3: NEXT PAGE NUMBER (NO)
 3: BRANCHING (NO)
 3: AUTO-INCREMENT (NO)
 3: OUTPUT TO MEMORY CELL (NO)
 3: OUTPUT TO DISKETTE (YES)

COLLECTION
NO

4: TAB STOP (YES)
 4: INPUT TYPE (MEMORY CELL # 2)
 4: CHARACTER TYPE (PRINTABLE)
 4: SECURITY FIELD (NO)
 4: OVERRIDE ERROR FIELD (NO)
 4: MINIMUM LENGTH (0)
 4: EXACT LENGTH TABLE (NO)
 4: RANGE (NO)
 4: ALLOWABLE ENTRY (NO)
 4: SUBSTITUTION (NO)
 4: JUSTIFICATION (LEFT)
 4: FILL CHARACTER ()
 4: FLOAT CHARACTER ()
 4: DECIMAL POSITIONS (0)
 4: SIGN POSITION (LEADING)
 4: AUTO CLOSE (YES)
 4: ARITHMETIC OPERATION (NO)
 4: AUTO FILL-IN (NO)
 4: NEXT PAGE NUMBER (NO)
 4: BRANCHING (NO)
 4: AUTO-INCREMENT (NO)
 4: OUTPUT TO MEMORY CELL (NO)
 4: OUTPUT TO DISKETTE (YES)

BIOFORM-07

REPLICATE

5: TAB STOP (YES)
 5: INPUT TYPE (MEMORY CELL # 3)
 5: CHARACTER TYPE (PRINTABLE)
 5: SECURITY FIELD (NO)
 5: OVERRIDE ERROR FIELD (NO)
 5: MINIMUM LENGTH (0)
 5: EXACT LENGTH TABLE (NO)
 5: RANGE (NO)
 5: ALLOWABLE ENTRY (NO)
 5: SUBSTITUTION (NO)
 5: JUSTIFICATION (LEFT)
 5: FILL CHARACTER ()
 5: FLOAT CHARACTER ()
 5: DECIMAL POSITIONS (0)
 5: SIGN POSITION (LEADING)
 5: AUTO CLOSE (YES)
 5: ARITHMETIC OPERATION (NO)
 5: AUTO FILL-IN (NO)
 5: NEXT PAGE NUMBER (NO)
 5: BRANCHING (NO)
 5: AUTO-INCREMENT (NO)
 5: OUTPUT TO MEMORY CELL (NO)
 5: OUTPUT TO DISKETTE (YES)

SPECIES

6: TAB STOP (YES)
 6: INPUT TYPE (MEMORY CELL # 4)
 6: CHARACTER TYPE (PRINTABLE)
 6: SECURITY FIELD (NO)
 6: OVERRIDE ERROR FIELD (NO)
 6: MINIMUM LENGTH (0)
 6: EXACT LENGTH TABLE (NO)
 6: RANGE (NO)
 6: ALLOWABLE ENTRY (NO)
 6: SUBSTITUTION (NO)
 6: JUSTIFICATION (LEFT)
 6: FILL CHARACTER ()
 6: FLOAT CHARACTER ()
 6: DECIMAL POSITIONS (0)
 6: SIGN POSITION (LEADING)
 6: AUTO CLOSE (YES)
 6: ARITHMETIC OPERATION (NO)
 6: AUTO FILL-IN (NO)
 6: NEXT PAGE NUMBER (NO)
 6: BRANCHING (NO)
 6: AUTO-INCREMENT (NO)
 6: OUTPUT TO MEMORY CELL (NO)
 6: OUTPUT TO DISKETTE (YES)

BIOFOR:1-07

STATUS

7: TAB STOP (YES)
 7: INPUT TYPE (MEMORY CELL # 5)
 7: CHARACTER TYPE (PRINTABLE)
 7: SECURITY FIELD (NO)
 7: OVERRIDE ERROR FIELD (NO)
 7: MINIMUM LENGTH (1)
 7: EXACT LENGTH TABLE (NO)
 7: RANGE (NO)
 7: ALLOWABLE ENTRY (NO)
 7: SUBSTITUTION (NO)
 7: JUSTIFICATION (LEFT)
 7: FILL CHARACTER ()
 7: FLOAT CHARACTER ()
 7: DECIMAL POSITIONS (0)
 7: SIGN POSITION (LEADING)
 7: AUTO CLOSE (YES)
 7: ARITHMETIC OPERATION (NO)
 7: AUTO FILL-IN (NO)
 7: NEXT PAGE NUMBER (NO)
 7: BRANCHING (NO)
 7: AUTO-INCREMENT (NO)
 7: OUTPUT TO MEMORY CELL (NO)
 7: OUTPUT TO DISKETTE (YES)

FIRST
 LINE NO

8: TAB STOP (YES)
 8: INPUT TYPE (KEYBOARD-CONSTANT: 001)
 8: CHARACTER TYPE (DIGIT)
 8: SECURITY FIELD (NO)
 8: OVERRIDE ERROR FIELD (NO)
 8: MINIMUM LENGTH (0)
 8: EXACT LENGTH TABLE (NO)
 8: RANGE (NO)
 8: ALLOWABLE ENTRY (NO)
 8: SUBSTITUTION (NO)
 8: JUSTIFICATION (RIGHT)
 8: FILL CHARACTER (0)
 8: FLOAT CHARACTER (0)
 8: DECIMAL POSITIONS (0)
 8: SIGN POSITION (LEADING)
 8: AUTO CLOSE (YES)
 8: ARITHMETIC OPERATION (NO)
 8: AUTO FILL-IN (NO)
 8: NEXT PAGE NUMBER (NO)
 8: BRANCHING (NO)
 8: AUTO-INCREMENT (NO)
 8: OUTPUT TO MEMORY CELL (NO)
 8: OUTPUT TO DISKETTE (YES)

BIOFORM-07

01. FREQUENCY

9: TAB STOP (YES)
9: INPUT TYPE (KEYBOARD)
9: CHARACTER TYPE (DIGIT)
9: SECURITY FIELD (NO)
9: OVERRIDE ERROR FIELD (YES)
9: MINIMUM LENGTH (0)
9: EXACT LENGTH TABLE (NO)
9: RANGE (NO)
9: ALLOWABLE ENTRY (NO)
9: SUBSTITUTION (NO)
9: JUSTIFICATION (RIGHT)
9: FILL CHARACTER ()
9: FLOAT CHARACTER ()
9: DECIMAL POSITIONS (0)
9: SIGN POSITION (LEADING)
9: AUTO CLOSE (YES)
9: ARITHMETIC OPERATION (NO)
9: AUTO FILL-IN (NO)
9: NEXT PAGE NUMBER (NO)
9: BRANCHING (NO)
9: AUTO-INCREMENT (NO)
9: OUTPUT TO MEMORY CELL (NO)
9: OUTPUT TO DISKETTE (YES)

01. LENGTH

10: TAB STOP (YES)
10: INPUT TYPE (KEYBOARD)
10: CHARACTER TYPE (DIGIT)
10: SECURITY FIELD (NO)
10: OVERRIDE ERROR FIELD (NO)
10: MINIMUM LENGTH (0)
10: EXACT LENGTH TABLE (NO)
10: RANGE (NO)
10: ALLOWABLE ENTRY (NO)
10: SUBSTITUTION (NO)
10: JUSTIFICATION (RIGHT)
10: FILL CHARACTER ()
10: FLOAT CHARACTER ()
10: DECIMAL POSITIONS (0)
10: SIGN POSITION (LEADING)
10: AUTO CLOSE (YES)
10: ARITHMETIC OPERATION (NO)
10: AUTO FILL-IN (NO)
10: NEXT PAGE NUMBER (NO)
10: BRANCHING (NO)
10: AUTO-INCREMENT (NO)
10: OUTPUT TO MEMORY CELL (NO)
10: OUTPUT TO DISKETTE (YES)

BIOFORM-07

01. SEX

11: TAB STOP (YES)
 11: INPUT TYPE (KEYBOARD)
 11: CHARACTER TYPE (DIGIT)
 11: SECURITY FIELD (NO)
 11: OVERRIDE ERROR FIELD (YES)
 11: MINIMUM LENGTH (0)
 11: EXACT LENGTH TABLE (NO)
 11: RANGE (NO)
 11: ALLOWABLE ENTRY (NO)
 11: SUBSTITUTION (NO)
 11: JUSTIFICATION (LEFT)
 11: FILL CHARACTER ()
 11: FLOAT CHARACTER ()
 11: DECIMAL POSITIONS (0)
 11: SIGN POSITION (LEADING)
 11: AUTO CLOSE (YES)
 11: ARITHMETIC OPERATION (NO)
 11: AUTO FILL-IN (NO)
 11: NEXT PAGE NUMBER (NO)
 11: BRANCHING (NO)
 11: AUTO-INCREMENT (NO)
 11: OUTPUT TO MEMORY CELL (NO)
 11: OUTPUT TO DISKETTE (YES)

01. MATURITY

12: TAB STOP (YES)
 12: INPUT TYPE (KEYBOARD)
 12: CHARACTER TYPE (DIGIT)
 12: SECURITY FIELD (NO)
 12: OVERRIDE ERROR FIELD (YES)
 12: MINIMUM LENGTH (0)
 12: EXACT LENGTH TABLE (NO)
 12: RANGE (NO)
 12: ALLOWABLE ENTRY (NO)
 12: SUBSTITUTION (NO)
 12: JUSTIFICATION (LEFT)
 12: FILL CHARACTER ()
 12: FLOAT CHARACTER ()
 12: DECIMAL POSITIONS (0)
 12: SIGN POSITION (LEADING)
 12: AUTO CLOSE (YES)
 12: ARITHMETIC OPERATION (NO)
 12: AUTO FILL-IN (NO)
 12: NEXT PAGE NUMBER (NO)
 12: BRANCHING (NO)
 12: AUTO-INCREMENT (NO)
 12: OUTPUT TO MEMORY CELL (NO)
 12: OUTPUT TO DISKETTE (YES)

BIOFORM-07

02. FREQUENCY

13: TAB STOP (YES)
 13: INPUT TYPE (KEYBOARD)
 13: CHARACTER TYPE (DIGIT)
 13: SECURITY FIELD (NO)
 13: OVERRIDE ERROR FIELD (YES)
 13: MINIMUM LENGTH (0)
 13: EXACT LENGTH TABLE (NO)
 13: RANGE (NO)
 13: ALLOWABLE ENTRY (NO)
 13: SUBSTITUTION (NO)
 13: JUSTIFICATION (RIGHT)
 13: FILL CHARACTER ()
 13: FLOAT CHARACTER ()
 13: DECIMAL POSITIONS (0)
 13: SIGN POSITION (LEADING)
 13: AUTO CLOSE (YES)
 13: ARITHMETIC OPERATION (NO)
 13: AUTO FILL-IN (NO)
 13: NEXT PAGE NUMBER (NO)
 13: BRANCHING (NO)
 13: AUTO-INCREMENT (NO)
 13: OUTPUT TO MEMORY CELL (NO)
 13: OUTPUT TO DISKETTE (YES)

02. LENGTH

14: TAB STOP (YES)
 14: INPUT TYPE (KEYBOARD)
 14: CHARACTER TYPE (DIGIT)
 14: SECURITY FIELD (NO)
 14: OVERRIDE ERROR FIELD (NO)
 14: MINIMUM LENGTH (0)
 14: EXACT LENGTH TABLE (NO)
 14: RANGE (NO)
 14: ALLOWABLE ENTRY (NO)
 14: SUBSTITUTION (NO)
 14: JUSTIFICATION (RIGHT)
 14: FILL CHARACTER ()
 14: FLOAT CHARACTER ()
 14: DECIMAL POSITIONS (0)
 14: SIGN POSITION (LEADING)
 14: AUTO CLOSE (YES)
 14: ARITHMETIC OPERATION (NO)
 14: AUTO FILL-IN (NO)
 14: NEXT PAGE NUMBER (NO)
 14: BRANCHING (NO)
 14: AUTO-INCREMENT (NO)
 14: OUTPUT TO MEMORY CELL (NO)
 14: OUTPUT TO DISKETTE (YES)

BIOFORM-07

02. SEX

15: TAB STOP (YES)
 15: INPUT TYPE (KEYBOARD)
 15: CHARACTER TYPE (DIGIT)
 15: SECURITY FIELD (NO)
 15: OVERRIDE ERROR FIELD (YES)
 15: MINIMUM LENGTH (0)
 15: EXACT LENGTH TABLE (NO)
 15: RANGE (NO)
 15: ALLOWABLE ENTRY (NO)
 15: SUBSTITUTION (NO)
 15: JUSTIFICATION (LEFT)
 15: FILL CHARACTER ()
 15: FLOAT CHARACTER ()
 15: DECIMAL POSITIONS (0)
 15: SIGN POSITION (LEADING)
 15: AUTO CLOSE (YES)
 15: ARITHMETIC OPERATION (NO)
 15: AUTO FILL-IN (NO)
 15: NEXT PAGE NUMBER (NO)
 15: BRANCHING (NO)
 15: AUTO-INCREMENT (NO)
 15: OUTPUT TO MEMORY CELL (NO)
 15: OUTPUT TO DISKETTE (YES)

02. MATURITY

16: TAB STOP (YES)
 16: INPUT TYPE (KEYBOARD)
 16: CHARACTER TYPE (DIGIT)
 16: SECURITY FIELD (NO)
 16: OVERRIDE ERROR FIELD (YES)
 16: MINIMUM LENGTH (0)
 16: EXACT LENGTH TABLE (NO)
 16: RANGE (NO)
 16: ALLOWABLE ENTRY (NO)
 16: SUBSTITUTION (NO)
 16: JUSTIFICATION (LEFT)
 16: FILL CHARACTER ()
 16: FLOAT CHARACTER ()
 16: DECIMAL POSITIONS (0)
 16: SIGN POSITION (LEADING)
 16: AUTO CLOSE (YES)
 16: ARITHMETIC OPERATION (NO)
 16: AUTO FILL-IN (NO)
 16: NEXT PAGE NUMBER (NO)
 16: BRANCHING (NO)
 16: AUTO-INCREMENT (NO)
 16: OUTPUT TO MEMORY CELL (NO)
 16: OUTPUT TO DISKETTE (YES)

BIOFORM-07

03.FREQUENCY

17: TAB STOP (YES)
17: INPUT TYPE (KEYBOARD)
17: CHARACTER TYPE (DIGIT)
17: SECURITY FIELD (NO)
17: OVERRIDE ERROR FIELD (YES)
17: MINIMUM LENGTH (8)
17: EXACT LENGTH TABLE (NO)
17: RANGE (NO)
17: ALLOWABLE ENTRY (NO)
17: SUBSTITUTION (NO)
17: JUSTIFICATION (RIGHT)
17: FILL CHARACTER ()
17: FLOAT CHARACTER ()
17: DECIMAL POSITIONS (8)
17: SIGN POSITION (LEADING)
17: AUTO CLOSE (YES)
17: ARITHMETIC OPERATION (NO)
17: AUTO FILL-IN (NO)
17: NEXT PAGE NUMBER (NO)
17: BRANCHING (NO)
17: AUTO-INCREMENT (NO)
17: OUTPUT TO MEMORY CELL (NO)
17: OUTPUT TO DISKETTE (YES)

03. LENGTH

18: TAB STOP (YES)
18: INPUT TYPE (KEYBOARD)
18: CHARACTER TYPE (DIGIT)
18: SECURITY FIELD (NO)
18: OVERRIDE ERROR FIELD (NO)
18: MINIMUM LENGTH (8)
18: EXACT LENGTH TABLE (NO)
18: RANGE (NO)
18: ALLOWABLE ENTRY (NO)
18: SUBSTITUTION (NO)
18: JUSTIFICATION (RIGHT)
18: FILL CHARACTER ()
18: FLOAT CHARACTER ()
18: DECIMAL POSITIONS (8)
18: SIGN POSITION (LEADING)
18: AUTO CLOSE (YES)
18: ARITHMETIC OPERATION (NO)
18: AUTO FILL-IN (NO)
18: NEXT PAGE NUMBER (NO)
18: BRANCHING (NO)
18: AUTO-INCREMENT (NO)
18: OUTPUT TO MEMORY CELL (NO)
18: OUTPUT TO DISKETTE (YES)

BIOFORM-07

03. SEX

19: TAB STOP (YES)
 19: INPUT TYPE (KEYBOARD)
 19: CHARACTER TYPE (DIGIT)
 19: SECURITY FIELD (NO)
 19: OVERRIDE ERROR FIELD (YES)
 19: MINIMUM LENGTH (0)
 19: EXACT LENGTH TABLE (NO)
 19: RANGE (NO)
 19: ALLOWABLE ENTRY (NO)
 19: SUBSTITUTION (NO)
 19: JUSTIFICATION (LEFT)
 19: FILL CHARACTER ()
 19: FLOAT CHARACTER ()
 19: DECIMAL POSITIONS (0)
 19: SIGN POSITION (LEADING)
 19: AUTO CLOSE (YES)
 19: ARITHMETIC OPERATION (NO)
 19: AUTO FILL-IN (NO)
 19: NEXT PAGE NUMBER (NO)
 19: BRANCHING (NO)
 19: AUTO-INCREMENT (NO)
 19: OUTPUT TO MEMORY CELL (NO)
 19: OUTPUT TO DISKETTE (YES)

03. MATURITY

20: TAB STOP (YES)
 20: INPUT TYPE (KEYBOARD)
 20: CHARACTER TYPE (DIGIT)
 20: SECURITY FIELD (NO)
 20: OVERRIDE ERROR FIELD (YES)
 20: MINIMUM LENGTH (0)
 20: EXACT LENGTH TABLE (NO)
 20: RANGE (NO)
 20: ALLOWABLE ENTRY (NO)
 20: SUBSTITUTION (NO)
 20: JUSTIFICATION (LEFT)
 20: FILL CHARACTER ()
 20: FLOAT CHARACTER ()
 20: DECIMAL POSITIONS (0)
 20: SIGN POSITION (LEADING)
 20: AUTO CLOSE (YES)
 20: ARITHMETIC OPERATION (NO)
 20: AUTO FILL-IN (NO)
 20: NEXT PAGE NUMBER (NO)
 20: BRANCHING (NO)
 20: AUTO-INCREMENT (NO)
 20: OUTPUT TO MEMORY CELL (NO)
 20: OUTPUT TO DISKETTE (YES)

BIOFORM-07

04. FREQUENCY

21: TAB STOP (YES)
21: INPUT TYPE (KEYBOARD)
21: CHARACTER TYPE (DIGIT)
21: SECURITY FIELD (NO)
21: OVERRIDE ERROR FIELD (YES)
21: MINIMUM LENGTH (0)
21: EXACT LENGTH TABLE (NO)
21: RANGE (NO)
21: ALLOWABLE ENTRY (NO)
21: SUBSTITUTION (NO)
21: JUSTIFICATION (RIGHT)
21: FILL CHARACTER ()
21: FLOAT CHARACTER ()
21: DECIMAL POSITIONS (0)
21: SIGN POSITION (LEADING)
21: AUTO CLOSE (YES)
21: ARITHMETIC OPERATION (NO)
21: AUTO FILL-IN (NO)
21: NEXT PAGE NUMBER (NO)
21: BRANCHING (NO)
21: AUTO-INCREMENT (NO)
21: OUTPUT TO MEMORY CELL (NO)
21: OUTPUT TO DISKETTE (YES)

04. LENGTH

22: TAB STOP (YES)
22: INPUT TYPE (KEYBOARD)
22: CHARACTER TYPE (DIGIT)
22: SECURITY FIELD (NO)
22: OVERRIDE ERROR FIELD (NO)
22: MINIMUM LENGTH (0)
22: EXACT LENGTH TABLE (NO)
22: RANGE (NO)
22: ALLOWABLE ENTRY (NO)
22: SUBSTITUTION (NO)
22: JUSTIFICATION (RIGHT)
22: FILL CHARACTER ()
22: FLOAT CHARACTER ()
22: DECIMAL POSITIONS (0)
22: SIGN POSITION (LEADING)
22: AUTO CLOSE (YES)
22: ARITHMETIC OPERATION (NO)
22: AUTO FILL-IN (NO)
22: NEXT PAGE NUMBER (NO)
22: BRANCHING (NO)
22: AUTO-INCREMENT (NO)
22: OUTPUT TO MEMORY CELL (NO)
22: OUTPUT TO DISKETTE (YES)

BIOFORM-07

04. SEX

23: TAB STOP (YES)
 23: INPUT TYPE (KEYBOARD)
 23: CHARACTER TYPE (DIGIT)
 23: SECURITY FIELD (NO)
 23: OVERRIDE ERROR FIELD (YES)
 23: MINIMUM LENGTH (0)
 23: EXACT LENGTH TABLE (NO)
 23: RANGE (NO)
 23: ALLOWABLE ENTRY (NO)
 23: SUBSTITUTION (NO)
 23: JUSTIFICATION (LEFT)
 23: FILL CHARACTER ()
 23: FLOAT CHARACTER ()
 23: DECIMAL POSITIONS (0)
 23: SIGN POSITION (LEADING)
 23: AUTO CLOSE (YES)
 23: ARITHMETIC OPERATION (NO)
 23: AUTO FILL-IN (NO)
 23: NEXT PAGE NUMBER (NO)
 23: BRANCHING (NO)
 23: AUTO-INCREMENT (NO)
 23: OUTPUT TO MEMORY CELL (NO)
 23: OUTPUT TO DISKETTE (YES)

04: MATURITY

24: TAB STOP (YES)
 24: INPUT TYPE (KEYBOARD)
 24: CHARACTER TYPE (DIGIT)
 24: SECURITY FIELD (NO)
 24: OVERRIDE ERROR FIELD (YES)
 24: MINIMUM LENGTH (0)
 24: EXACT LENGTH TABLE (NO)
 24: RANGE (NO)
 24: ALLOWABLE ENTRY (NO)
 24: SUBSTITUTION (NO)
 24: JUSTIFICATION (LEFT)
 24: FILL CHARACTER ()
 24: FLOAT CHARACTER ()
 24: DECIMAL POSITIONS (0)
 24: SIGN POSITION (LEADING)
 24: AUTO CLOSE (YES)
 24: ARITHMETIC OPERATION (NO)
 24: AUTO FILL-IN (NO)
 24: NEXT PAGE NUMBER (NO)
 24: BRANCHING (NO)
 24: AUTO-INCREMENT (NO)
 24: OUTPUT TO MEMORY CELL (NO)
 24: OUTPUT TO DISKETTE (YES)

BIOFORM-07

05. FREQUENCY

25: TAB STOP (YES)
25: INPUT TYPE (KEYBOARD)
25: CHARACTER TYPE (DIGIT)
25: SECURITY FIELD (NO)
25: OVERRIDE ERROR FIELD (YES)
25: MINIMUM LENGTH (0)
25: EXACT LENGTH TABLE (NO)
25: RANGE (NO)
25: ALLOWABLE ENTRY (NO)
25: SUBSTITUTION (NO)
25: JUSTIFICATION (RIGHT)
25: FILL CHARACTER ()
25: FLOAT CHARACTER ()
25: DECIMAL POSITIONS (0)
25: SIGN POSITION (LEADING)
25: AUTO CLOSE (YES)
25: ARITHMETIC OPERATION (NO)
25: AUTO FILL-IN (NO)
25: NEXT PAGE NUMBER (NO)
25: BRANCHING (NO)
25: AUTO-INCREMENT (NO)
25: OUTPUT TO MEMORY CELL (NO)
25: OUTPUT TO DISKETTE (YES)

05. LENGTH

26: TAB STOP (YES)
26: INPUT TYPE (KEYBOARD)
26: CHARACTER TYPE (DIGIT)
26: SECURITY FIELD (NO)
26: OVERRIDE ERROR FIELD (NO)
26: MINIMUM LENGTH (0)
26: EXACT LENGTH TABLE (NO)
26: RANGE (NO)
26: ALLOWABLE ENTRY (NO)
26: SUBSTITUTION (NO)
26: JUSTIFICATION (RIGHT)
26: FILL CHARACTER ()
26: FLOAT CHARACTER ()
26: DECIMAL POSITIONS (0)
26: SIGN POSITION (LEADING)
26: AUTO CLOSE (YES)
26: ARITHMETIC OPERATION (NO)
26: AUTO FILL-IN (NO)
26: NEXT PAGE NUMBER (NO)
26: BRANCHING (NO)
26: AUTO-INCREMENT (NO)
26: OUTPUT TO MEMORY CELL (NO)
26: OUTPUT TO DISKETTE (YES)

BIOFORM-07

05. SEX

27: TAB STOP (YES)
 27: INPUT TYPE (KEYBOARD)
 27: CHARACTER TYPE (DIGIT)
 27: SECURITY FIELD (NO)
 27: OVERRIDE ERROR FIELD (YES)
 27: MINIMUM LENGTH (0)
 27: EXACT LENGTH TABLE (NO)
 27: RANGE (NO)
 27: ALLOWABLE ENTRY (NO)
 27: SUBSTITUTION (NO)
 27: JUSTIFICATION (LEFT)
 27: FILL CHARACTER ()
 27: FLOAT CHARACTER ()
 27: DECIMAL POSITIONS (0)
 27: SIGN POSITION (LEADING)
 27: AUTO CLOSE (YES)
 27: ARITHMETIC OPERATION (NO)
 27: AUTO FILL-IN (NO)
 27: NEXT PAGE NUMBER (NO)
 27: BRANCHING (NO)
 27: AUTO-INCREMENT (NO)
 27: OUTPUT TO MEMORY CELL (NO)
 27: OUTPUT TO DISKETTE (YES)

05. MATURITY

28: TAB STOP (YES)
 28: INPUT TYPE (KEYBOARD)
 28: CHARACTER TYPE (DIGIT)
 28: SECURITY FIELD (NO)
 28: OVERRIDE ERROR FIELD (YES)
 28: MINIMUM LENGTH (0)
 28: EXACT LENGTH TABLE (NO)
 28: RANGE (NO)
 28: ALLOWABLE ENTRY (NO)
 28: SUBSTITUTION (NO)
 28: JUSTIFICATION (LEFT)
 28: FILL CHARACTER ()
 28: FLOAT CHARACTER ()
 28: DECIMAL POSITIONS (0)
 28: SIGN POSITION (LEADING)
 28: AUTO CLOSE (YES)
 28: ARITHMETIC OPERATION (NO)
 28: AUTO FILL-IN (NO)
 28: NEXT PAGE NUMBER (NO)
 28: BRANCHING (NO)
 28: AUTO-INCREMENT (NO)
 28: OUTPUT TO MEMORY CELL (NO)
 28: OUTPUT TO DISKETTE (YES)

BIOFORM-07

06. FREQUENCY

29: TAB STOP (YES)
 29: INPUT TYPE (KEYBOARD)
 29: CHARACTER TYPE (DIGIT)
 29: SECURITY FIELD (NO)
 29: OVERRIDE ERROR FIELD (YES)
 29: MINIMUM LENGTH (0)
 29: EXACT LENGTH TABLE (NO)
 29: RANGE (NO)
 29: ALLOWABLE ENTRY (NO)
 29: SUBSTITUTION (NO)
 29: JUSTIFICATION (RIGHT)
 29: FILL CHARACTER ()
 29: FLOAT CHARACTER ()
 29: DECIMAL POSITIONS (0)
 29: SIGN POSITION (LEADING)
 29: AUTO CLOSE (YES)
 29: ARITHMETIC OPERATION (NO)
 29: AUTO FILL-IN (NO)
 29: NEXT PAGE NUMBER (NO)
 29: BRANCHING (NO)
 29: AUTO-INCREMENT (NO)
 29: OUTPUT TO MEMORY CELL (NO)
 29: OUTPUT TO DISKETTE (YES)

06. LENGTH

30: TAB STOP (YES)
 30: INPUT TYPE (KEYBOARD)
 30: CHARACTER TYPE (DIGIT)
 30: SECURITY FIELD (NO)
 30: OVERRIDE ERROR FIELD (NO)
 30: MINIMUM LENGTH (0)
 30: EXACT LENGTH TABLE (NO)
 30: RANGE (NO)
 30: ALLOWABLE ENTRY (NO)
 30: SUBSTITUTION (NO)
 30: JUSTIFICATION (RIGHT)
 30: FILL CHARACTER ()
 30: FLOAT CHARACTER ()
 30: DECIMAL POSITIONS (0)
 30: SIGN POSITION (LEADING)
 30: AUTO CLOSE (YES)
 30: ARITHMETIC OPERATION (NO)
 30: AUTO FILL-IN (NO)
 30: NEXT PAGE NUMBER (NO)
 30: BRANCHING (NO)
 30: AUTO-INCREMENT (NO)
 30: OUTPUT TO MEMORY CELL (NO)
 30: OUTPUT TO DISKETTE (YES)

BIOFORM-07

06. SEX

31: TAB STOP (YES)
 31: INPUT TYPE (KEYBOARD)
 31: CHARACTER TYPE (DIGIT)
 31: SECURITY FIELD (NO)
 31: OVERRIDE ERROR FIELD (YES)
 31: MINIMUM LENGTH (0)
 31: EXACT LENGTH TABLE (NO)
 31: RANGE (NO)
 31: ALLOWABLE ENTRY (NO)
 31: SUBSTITUTION (NO)
 31: JUSTIFICATION (LEFT)
 31: FILL CHARACTER ()
 31: FLOAT CHARACTER ()
 31: DECIMAL POSITIONS (0)
 31: SIGN POSITION (LEADING)
 31: AUTO CLOSE (YES)
 31: ARITHMETIC OPERATION (NO)
 31: AUTO FILL-IN (NO)
 31: NEXT PAGE NUMBER (NO)
 31: BRANCHING (NO)
 31: AUTO-INCREMENT (NO)
 31: OUTPUT TO MEMORY CELL (NO)
 31: OUTPUT TO DISKETTE (YES)

06. MATURITY

32: TAB STOP (YES)
 32: INPUT TYPE (KEYBOARD)
 32: CHARACTER TYPE (DIGIT)
 32: SECURITY FIELD (NO)
 32: OVERRIDE ERROR FIELD (YES)
 32: MINIMUM LENGTH (0)
 32: EXACT LENGTH TABLE (NO)
 32: RANGE (NO)
 32: ALLOWABLE ENTRY (NO)
 32: SUBSTITUTION (NO)
 32: JUSTIFICATION (LEFT)
 32: FILL CHARACTER ()
 32: FLOAT CHARACTER ()
 32: DECIMAL POSITIONS (0)
 32: SIGN POSITION (LEADING)
 32: AUTO CLOSE (YES)
 32: ARITHMETIC OPERATION (NO)
 32: AUTO FILL-IN (NO)
 32: NEXT PAGE NUMBER (NO)
 32: BRANCHING (NO)
 32: AUTO-INCREMENT (NO)
 32: OUTPUT TO MEMORY CELL (NO)
 32: OUTPUT TO DISKETTE (YES)

BIOFORM-07

07. FREQUENCY

33: TAB STOP (YES)
 33: INPUT TYPE (KEYBOARD)
 33: CHARACTER TYPE (DIGIT)
 33: SECURITY FIELD (NO)
 33: OVERRIDE ERROR FIELD (YES)
 33: MINIMUM LENGTH (0)
 33: EXACT LENGTH TABLE (NO)
 33: RANGE (NO)
 33: ALLOWABLE ENTRY (NO)
 33: SUBSTITUTION (NO)
 33: JUSTIFICATION (RIGHT)
 33: FILL CHARACTER ()
 33: FLOAT CHARACTER ()
 33: DECIMAL POSITIONS (0)
 33: SIGN POSITION (LEADING)
 33: AUTO CLOSE (YES)
 33: ARITHMETIC OPERATION (NO)
 33: AUTO FILL-IN (NO)
 33: NEXT PAGE NUMBER (NO)
 33: BRANCHING (NO)
 33: AUTO-INCREMENT (NO)
 33: OUTPUT TO MEMORY CELL (NO)
 33: OUTPUT TO DISKETTE (YES)

07. LENGTH

34: TAB STOP (YES)
 34: INPUT TYPE (KEYBOARD)
 34: CHARACTER TYPE (DIGIT)
 34: SECURITY FIELD (NO)
 34: OVERRIDE ERROR FIELD (NO)
 34: MINIMUM LENGTH (0)
 34: EXACT LENGTH TABLE (NO)
 34: RANGE (NO)
 34: ALLOWABLE ENTRY (NO)
 34: SUBSTITUTION (NO)
 34: JUSTIFICATION (RIGHT)
 34: FILL CHARACTER ()
 34: FLOAT CHARACTER ()
 34: DECIMAL POSITIONS (0)
 34: SIGN POSITION (LEADING)
 34: AUTO CLOSE (YES)
 34: ARITHMETIC OPERATION (NO)
 34: AUTO FILL-IN (NO)
 34: NEXT PAGE NUMBER (NO)
 34: BRANCHING (NO)
 34: AUTO-INCREMENT (NO)
 34: OUTPUT TO MEMORY CELL (NO)
 34: OUTPUT TO DISKETTE (YES)

BIOFORM-07

07. SEX

35: TAB STOP (YES)
 35: INPUT TYPE (KEYBOARD)
 35: CHARACTER TYPE (DIGIT)
 35: SECURITY FIELD (NO)
 35: OVERRIDE ERROR FIELD (YES)
 35: MINIMUM LENGTH (0)
 35: EXACT LENGTH TABLE (NO)
 35: RANGE (NO)
 35: ALLOWABLE ENTRY (NO)
 35: SUBSTITUTION (NO)
 35: JUSTIFICATION (LEFT)
 35: FILL CHARACTER ()
 35: FLOAT CHARACTER ()
 35: DECIMAL POSITIONS (0)
 35: SIGN POSITION (LEADING)
 35: AUTO CLOSE (YES)
 35: ARITHMETIC OPERATION (NO)
 35: AUTO FILL-IN (NO)
 35: NEXT PAGE NUMBER (NO)
 35: BRANCHING (NO)
 35: AUTO-INCREMENT (NO)
 35: OUTPUT TO MEMORY CELL (NO)
 35: OUTPUT TO DISKETTE (YES)

07. MATURITY

36: TAB STOP (YES)
 36: INPUT TYPE (KEYBOARD)
 36: CHARACTER TYPE (DIGIT)
 36: SECURITY FIELD (NO)
 36: OVERRIDE ERROR FIELD (YES)
 36: MINIMUM LENGTH (0)
 36: EXACT LENGTH TABLE (NO)
 36: RANGE (NO)
 36: ALLOWABLE ENTRY (NO)
 36: SUBSTITUTION (NO)
 36: JUSTIFICATION (LEFT)
 36: FILL CHARACTER ()
 36: FLOAT CHARACTER ()
 36: DECIMAL POSITIONS (0)
 36: SIGN POSITION (LEADING)
 36: AUTO CLOSE (YES)
 36: ARITHMETIC OPERATION (NO)
 36: AUTO FILL-IN (NO)
 36: NEXT PAGE NUMBER (NO)
 36: BRANCHING (NO)
 36: AUTO-INCREMENT (NO)
 36: OUTPUT TO MEMORY CELL (NO)
 36: OUTPUT TO DISKETTE (YES)

BIOFORM-07

08. FREQUENCY

37: TAB STOP (YES)
 37: INPUT TYPE (KEYBOARD)
 37: CHARACTER TYPE (DIGIT)
 37: SECURITY FIELD (NO)
 37: OVERRIDE ERROR FIELD (YES)
 37: MINIMUM LENGTH (0)
 37: EXACT LENGTH TABLE (NO)
 37: RANGE (NO)
 37: ALLOWABLE ENTRY (NO)
 37: SUBSTITUTION (NO)
 37: JUSTIFICATION (RIGHT)
 37: FILL CHARACTER ()
 37: FLOAT CHARACTER ()
 37: DECIMAL POSITIONS (0)
 37: SIGN POSITION (LEADING)
 37: AUTO CLOSE (YES)
 37: ARITHMETIC OPERATION (NO)
 37: AUTO FILL-IN (NO)
 37: NEXT PAGE NUMBER (NO)
 37: BRANCHING (NO)
 37: AUTO-INCREMENT (NO)
 37: OUTPUT TO MEMORY CELL (NO)
 37: OUTPUT TO DISKETTE (YES)

08. LENGTH

38: TAB STOP (YES)
 38: INPUT TYPE (KEYBOARD)
 38: CHARACTER TYPE (DIGIT)
 38: SECURITY FIELD (NO)
 38: OVERRIDE ERROR FIELD (NO)
 38: MINIMUM LENGTH (0)
 38: EXACT LENGTH TABLE (NO)
 38: RANGE (NO)
 38: ALLOWABLE ENTRY (NO)
 38: SUBSTITUTION (NO)
 38: JUSTIFICATION (RIGHT)
 38: FILL CHARACTER ()
 38: FLOAT CHARACTER ()
 38: DECIMAL POSITIONS (0)
 38: SIGN POSITION (LEADING)
 38: AUTO CLOSE (YES)
 38: ARITHMETIC OPERATION (NO)
 38: AUTO FILL-IN (NO)
 38: NEXT PAGE NUMBER (NO)
 38: BRANCHING (NO)
 38: AUTO-INCREMENT (NO)
 38: OUTPUT TO MEMORY CELL (NO)
 38: OUTPUT TO DISKETTE (YES)

BIOFORM-07

08. SEX

39: TAB STOP (YES)
 39: INPUT TYPE (KEYBOARD)
 39: CHARACTER TYPE (DIGIT)
 39: SECURITY FIELD (NO)
 39: OVERRIDE ERROR FIELD (YES)
 39: MINIMUM LENGTH (0)
 39: EXACT LENGTH TABLE (NO)
 39: RANGE (NO)
 39: ALLOWABLE ENTRY (NO)
 39: SUBSTITUTION (NO)
 39: JUSTIFICATION (LEFT)
 39: FILL CHARACTER ()
 39: FLOAT CHARACTER ()
 39: DECIMAL POSITIONS (0)
 39: SIGN POSITION (LEADING)
 39: AUTO CLOSE (YES)
 39: ARITHMETIC OPERATION (NO)
 39: AUTO FILL-IN (NO)
 39: NEXT PAGE NUMBER (NO)
 39: BRANCHING (NO)
 39: AUTO-INCREMENT (NO)
 39: OUTPUT TO MEMORY CELL (NO)
 39: OUTPUT TO DISKETTE (YES)

08. MATURITY

40: TAB STOP (YES)
 40: INPUT TYPE (KEYBOARD)
 40: CHARACTER TYPE (DIGIT)
 40: SECURITY FIELD (NO)
 40: OVERRIDE ERROR FIELD (YES)
 40: MINIMUM LENGTH (0)
 40: EXACT LENGTH TABLE (NO)
 40: RANGE (NO)
 40: ALLOWABLE ENTRY (NO)
 40: SUBSTITUTION (NO)
 40: JUSTIFICATION (LEFT)
 40: FILL CHARACTER ()
 40: FLOAT CHARACTER ()
 40: DECIMAL POSITIONS (0)
 40: SIGN POSITION (LEADING)
 40: AUTO CLOSE (YES)
 40: ARITHMETIC OPERATION (NO)
 40: AUTO FILL-IN (NO)
 40: NEXT PAGE NUMBER (NO)
 40: BRANCHING (NO)
 40: AUTO-INCREMENT (NO)
 40: OUTPUT TO MEMORY CELL (NO)
 40: OUTPUT TO DISKETTE (YES)

09. FREQUENCY

41: TAB STOP (YES)
 41: INPUT TYPE (KEYBOARD)
 41: CHARACTER TYPE (DIGIT)
 41: SECURITY FIELD (NO)
 41: OVERRIDE ERROR FIELD (YES)
 41: MINIMUM LENGTH (0)
 41: EXACT LENGTH TABLE (NO)
 41: RANGE (NO)
 41: ALLOWABLE ENTRY (NO)
 41: SUBSTITUTION (NO)
 41: JUSTIFICATION (RIGHT)
 41: FILL CHARACTER ()
 41: FLOAT CHARACTER ()
 41: DECIMAL POSITIONS (0)
 41: SIGN POSITION (LEADING)
 41: AUTO CLOSE (YES)
 41: ARITHMETIC OPERATION (NO)
 41: AUTO FILL-IN (NO)
 41: NEXT PAGE NUMBER (NO)
 41: BRANCHING (NO)
 41: AUTO-INCREMENT (NO)
 41: OUTPUT TO MEMORY CELL (NO)
 41: OUTPUT TO DISKETTE (YES)

09. LENGTH

42: TAB STOP (YES)
 42: INPUT TYPE (KEYBOARD)
 42: CHARACTER TYPE (DIGIT)
 42: SECURITY FIELD (NO)
 42: OVERRIDE ERROR FIELD (NO)
 42: MINIMUM LENGTH (0)
 42: EXACT LENGTH TABLE (NO)
 42: RANGE (NO)
 42: ALLOWABLE ENTRY (NO)
 42: SUBSTITUTION (NO)
 42: JUSTIFICATION (RIGHT)
 42: FILL CHARACTER ()
 42: FLOAT CHARACTER ()
 42: DECIMAL POSITIONS (0)
 42: SIGN POSITION (LEADING)
 42: AUTO CLOSE (YES)
 42: ARITHMETIC OPERATION (NO)
 42: AUTO FILL-IN (NO)
 42: NEXT PAGE NUMBER (NO)
 42: BRANCHING (NO)
 42: AUTO-INCREMENT (NO)
 42: OUTPUT TO MEMORY CELL (NO)
 42: OUTPUT TO DISKETTE (YES)

BIOFORM-07

09. SEX

43: TAB STOP (YES)
43: INPUT TYPE (KEYBOARD)
43: CHARACTER TYPE (DIGIT)
43: SECURITY FIELD (NO)
43: OVERRIDE ERROR FIELD (YES)
43: MINIMUM LENGTH (0)
43: EXACT LENGTH TABLE (NO)
43: RANGE (NO)
43: ALLOWABLE ENTRY (NO)
43: SUBSTITUTION (NO)
43: JUSTIFICATION (LEFT)
43: FILL CHARACTER ()
43: FLOAT CHARACTER ()
43: DECIMAL POSITIONS (0)
43: SIGN POSITION (LEADING)
43: AUTO CLOSE (YES)
43: ARITHMETIC OPERATION (NO)
43: AUTO FILL-IN (NO)
43: NEXT PAGE NUMBER (NO)
43: BRANCHING (NO)
43: AUTO-INCREMENT (NO)
43: OUTPUT TO MEMORY CELL (NO)
43: OUTPUT TO DISKETTE (YES)

09. MATURITY

44: TAB STOP (YES)
44: INPUT TYPE (KEYBOARD)
44: CHARACTER TYPE (DIGIT)
44: SECURITY FIELD (NO)
44: OVERRIDE ERROR FIELD (YES)
44: MINIMUM LENGTH (0)
44: EXACT LENGTH TABLE (NO)
44: RANGE (NO)
44: ALLOWABLE ENTRY (NO)
44: SUBSTITUTION (NO)
44: JUSTIFICATION (LEFT)
44: FILL CHARACTER ()
44: FLOAT CHARACTER ()
44: DECIMAL POSITIONS (0)
44: SIGN POSITION (LEADING)
44: AUTO CLOSE (YES)
44: ARITHMETIC OPERATION (NO)
44: AUTO FILL-IN (NO)
44: NEXT PAGE NUMBER (NO)
44: BRANCHING (NO)
44: AUTO-INCREMENT (NO)
44: OUTPUT TO MEMORY CELL (NO)
44: OUTPUT TO DISKETTE (YES)

BIOFORM-07

10. FREQUENCY

45: TAB STOP (YES)
 45: INPUT TYPE (KEYBOARD)
 45: CHARACTER TYPE (DIGIT)
 45: SECURITY FIELD (NO)
 45: OVERRIDE ERROR FIELD (YES)
 45: MINIMUM LENGTH (0)
 45: EXACT LENGTH TABLE (NO)
 45: RANGE (NO)
 45: ALLOWABLE ENTRY (NO)
 45: SUBSTITUTION (NO)
 45: JUSTIFICATION (RIGHT)
 45: FILL CHARACTER ()
 45: FLOAT CHARACTER ()
 45: DECIMAL POSITIONS (0)
 45: SIGN POSITION (LEADING)
 45: AUTO CLOSE (YES)
 45: ARITHMETIC OPERATION (NO)
 45: AUTO FILL-IN (NO)
 45: NEXT PAGE NUMBER (NO)
 45: BRANCHING (NO)
 45: AUTO-INCREMENT (NO)
 45: OUTPUT TO MEMORY CELL (NO)
 45: OUTPUT TO DISKETTE (YES)

10. LENGTH

46: TAB STOP (YES)
 46: INPUT TYPE (KEYBOARD)
 46: CHARACTER TYPE (DIGIT)
 46: SECURITY FIELD (NO)
 46: OVERRIDE ERROR FIELD (NO)
 46: MINIMUM LENGTH (0)
 46: EXACT LENGTH TABLE (NO)
 46: RANGE (NO)
 46: ALLOWABLE ENTRY (NO)
 46: SUBSTITUTION (NO)
 46: JUSTIFICATION (RIGHT)
 46: FILL CHARACTER ()
 46: FLOAT CHARACTER ()
 46: DECIMAL POSITIONS (0)
 46: SIGN POSITION (LEADING)
 46: AUTO CLOSE (YES)
 46: ARITHMETIC OPERATION (NO)
 46: AUTO FILL-IN (NO)
 46: NEXT PAGE NUMBER (NO)
 46: BRANCHING (NO)
 46: AUTO-INCREMENT (NO)
 46: OUTPUT TO MEMORY CELL (NO)
 46: OUTPUT TO DISKETTE (YES)

10. SEX

47: TAB STOP (YES)
 47: INPUT TYPE (KEYBOARD)
 47: CHARACTER TYPE (DIGIT)
 47: SECURITY FIELD (NO)
 47: OVERRIDE ERROR FIELD (YES)
 47: MINIMUM LENGTH (0)
 47: EXACT LENGTH TABLE (NO)
 47: RANGE (NO)
 47: ALLOWABLE ENTRY (NO)
 47: SUBSTITUTION (NO)
 47: JUSTIFICATION (LEFT)
 47: FILL CHARACTER ()
 47: FLOAT CHARACTER ()
 47: DECIMAL POSITIONS (0)
 47: SIGN POSITION (LEADING)
 47: AUTO CLOSE (YES)
 47: ARITHMETIC OPERATION (NO)
 47: AUTO FILL-IN (NO)
 47: NEXT PAGE NUMBER (NO)
 47: BRANCHING (NO)
 47: AUTO-INCREMENT (NO)
 47: OUTPUT TO MEMORY CELL (NO)
 47: OUTPUT TO DISKETTE (YES)

10. MATURITY

48: TAB STOP (YES)
 48: INPUT TYPE (KEYBOARD)
 48: CHARACTER TYPE (DIGIT)
 48: SECURITY FIELD (NO)
 48: OVERRIDE ERROR FIELD (YES)
 48: MINIMUM LENGTH (0)
 48: EXACT LENGTH TABLE (NO)
 48: RANGE (NO)
 48: ALLOWABLE ENTRY (NO)
 48: SUBSTITUTION (NO)
 48: JUSTIFICATION (LEFT)
 48: FILL CHARACTER ()
 48: FLOAT CHARACTER ()
 48: DECIMAL POSITIONS (0)
 48: SIGN POSITION (LEADING)
 48: AUTO CLOSE (YES)
 48: ARITHMETIC OPERATION (NO)
 48: AUTO FILL-IN (NO)
 48: NEXT PAGE NUMBER (NO)
 48: BRANCHING (NO)
 48: AUTO-INCREMENT (NO)
 48: OUTPUT TO MEMORY CELL (NO)
 48: OUTPUT TO DISKETTE (YES)

BIOFORM-07.

11. FREQUENCY

49: TAB STOP (YES)
 49: INPUT TYPE (KEYBOARD)
 49: CHARACTER TYPE (DIGIT)
 49: SECURITY FIELD (NO)
 49: OVERRIDE ERROR FIELD (YES)
 49: MINIMUM LENGTH (0)
 49: EXACT LENGTH TABLE (NO)
 49: RANGE (NO)
 49: ALLOWABLE ENTRY (NO)
 49: SUBSTITUTION (NO)
 49: JUSTIFICATION (RIGHT)
 49: FILL CHARACTER ()
 49: FLOAT CHARACTER ()
 49: DECIMAL POSITIONS (0)
 49: SIGN POSITION (LEADING)
 49: AUTO CLOSE (YES)
 49: ARITHMETIC OPERATION (NO)
 49: AUTO FILL-IN (NO)
 49: NEXT PAGE NUMBER (NO)
 49: BRANCHING (NO)
 49: AUTO-INCREMENT (NO)
 49: OUTPUT TO MEMORY CELL (NO)
 49: OUTPUT TO DISKETTE (YES)

11. LENGTH

50: TAB STOP (YES)
 50: INPUT TYPE (KEYBOARD)
 50: CHARACTER TYPE (DIGIT)
 50: SECURITY FIELD (NO)
 50: OVERRIDE ERROR FIELD (NO)
 50: MINIMUM LENGTH (0)
 50: EXACT LENGTH TABLE (NO)
 50: RANGE (NO)
 50: ALLOWABLE ENTRY (NO)
 50: SUBSTITUTION (NO)
 50: JUSTIFICATION (RIGHT)
 50: FILL CHARACTER ()
 50: FLOAT CHARACTER ()
 50: DECIMAL POSITIONS (0)
 50: SIGN POSITION (LEADING)
 50: AUTO CLOSE (YES)
 50: ARITHMETIC OPERATION (NO)
 50: AUTO FILL-IN (NO)
 50: NEXT PAGE NUMBER (NO)
 50: BRANCHING (NO)
 50: AUTO-INCREMENT (NO)
 50: OUTPUT TO MEMORY CELL (NO)
 50: OUTPUT TO DISKETTE (YES)

11. SEX

51: TAB STOP (YES)
 51: INPUT TYPE (KEYBOARD)
 51: CHARACTER TYPE (DIGIT)
 51: SECURITY FIELD (NO)
 51: OVERRIDE ERROR FIELD (YES)
 51: MINIMUM LENGTH (0)
 51: EXACT LENGTH TABLE (NO)
 51: RANGE (NO)
 51: ALLOWABLE ENTRY (NO)
 51: SUBSTITUTION (NO)
 51: JUSTIFICATION (LEFT)
 51: FILL CHARACTER ()
 51: FLOAT CHARACTER ()
 51: DECIMAL POSITIONS (0)
 51: SIGN POSITION (LEADING)
 51: AUTO CLOSE (YES)
 51: ARITHMETIC OPERATION (NO)
 51: AUTO FILL-IN (NO)
 51: NEXT PAGE NUMBER (NO)
 51: BRANCHING (NO)
 51: AUTO-INCREMENT (NO)
 51: OUTPUT TO MEMORY CELL (NO)
 51: OUTPUT TO DISKETTE (YES)

11. MATURITY

52: TAB STOP (YES)
 52: INPUT TYPE (KEYBOARD)
 52: CHARACTER TYPE (DIGIT)
 52: SECURITY FIELD (NO)
 52: OVERRIDE ERROR FIELD (YES)
 52: MINIMUM LENGTH (0)
 52: EXACT LENGTH TABLE (NO)
 52: RANGE (NO)
 52: ALLOWABLE ENTRY (NO)
 52: SUBSTITUTION (NO)
 52: JUSTIFICATION (LEFT)
 52: FILL CHARACTER ()
 52: FLOAT CHARACTER ()
 52: DECIMAL POSITIONS (0)
 52: SIGN POSITION (LEADING)
 52: AUTO CLOSE (YES)
 52: ARITHMETIC OPERATION (NO)
 52: AUTO FILL-IN (NO)
 52: NEXT PAGE NUMBER (NO)
 52: BRANCHING (NO)
 52: AUTO-INCREMENT (NO)
 52: OUTPUT TO MEMORY CELL (NO)
 52: OUTPUT TO DISKETTE (YES)

BIOFORM-07

FILL

53: TAB STOP (YES)
 53: INPUT TYPE (CONSTANT:)
 53: CHARACTER TYPE (PRINTABLE)
 53: SECURITY FIELD (NO)
 53: OVERRIDE ERROR FIELD (NO)
 53: MINIMUM LENGTH (0)
 53: EXACT LENGTH TABLE (NO)
 53: RANGE (NO)
 53: ALLOWABLE ENTRY (NO)
 53: SUBSTITUTION (NO)
 53: JUSTIFICATION (LEFT)
 53: FILL CHARACTER ()
 53: FLOAT CHARACTER ()
 53: DECIMAL POSITIONS (0)
 53: SIGN POSITION (LEADING)
 53: AUTO CLOSE (YES)
 53: ARITHMETIC OPERATION (NO)
 53: AUTO FILL-IN (NO)
 53: NEXT PAGE NUMBER (NO)
 53: BRANCHING (NO)
 53: AUTO-INCREMENT (NO)
 53: OUTPUT TO MEMORY CELL (NO)
 53: OUTPUT TO DISKETTE (YES)

LOAD
 RECORD TYPE:
 ONE

54: TAB STOP (YES)
 54: INPUT TYPE (KEYBOARD)
 54: CHARACTER TYPE (PRINTABLE)
 54: SECURITY FIELD (NO)
 54: OVERRIDE ERROR FIELD (NO)
 54: MINIMUM LENGTH (0)
 54: EXACT LENGTH TABLE (NO)
 54: RANGE (NO)
 54: ALLOWABLE ENTRY (NO)
 54: SUBSTITUTION (NO)
 54: JUSTIFICATION (LEFT)
 54: FILL CHARACTER ()
 54: FLOAT CHARACTER ()
 54: DECIMAL POSITIONS (0)
 54: SIGN POSITION (LEADING)
 54: AUTO CLOSE (YES)
 54: ARITHMETIC OPERATION (NO)
 54: AUTO FILL-IN (NO)
 54: NEXT PAGE NUMBER (YES - PAGE 1)
 54: BRANCHING (TEST LINE: 23 POSITION:80 :

BRANCH: MINIMUM LENGTH (0)
 BRANCH: MAXIMUM LENGTH (1)
 BRANCH: EXACT LENGTH TABLE (NO)
 BRANCH: RANGE (NO)
 BRANCH: ALLOWABLE ENTRY (YES - RAM:
 X;))

54: AUTO-INCREMENT (NO)
 54: OUTPUT TO MEMORY CELL (NO)
 54: OUTPUT TO DISKETTE (NO)

BIOFORM-07

LOAD
RECORD TYPE:
TWO

55: TAB STOP (YES)
55: INPUT TYPE (KEYBOARD)
55: CHARACTER TYPE (PRINTABLE)
55: SECURITY FIELD (NO)
55: OVERRIDE ERROR FIELD (NO)
55: MINIMUM LENGTH (0)
55: EXACT LENGTH TABLE (NO)
55: RANGE (NO)
55: ALLOWABLE ENTRY (NO)
55: SUBSTITUTION (NO)
55: JUSTIFICATION (LEFT)
55: FILL CHARACTER ()
55: FLOAT CHARACTER ()
55: DECIMAL POSITIONS (0)
55: SIGN POSITION (LEADING)
55: AUTO CLOSE (YES)
55: ARITHMETIC OPERATION (NO)
55: AUTO FILL-IN (NO)
55: NEXT PAGE NUMBER (YES - PAGE 2)
55: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X))

55: AUTO-INCREMENT (NO)
55: OUTPUT TO MEMORY CELL (NO)
55: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
THREE

56: TAB STOP (YES)
56: INPUT TYPE (KEYBOARD)
56: CHARACTER TYPE (PRINTABLE)
56: SECURITY FIELD (NO)
56: OVERRIDE ERROR FIELD (NO)
56: MINIMUM LENGTH (0)
56: EXACT LENGTH TABLE (NO)
56: RANGE (NO)
56: ALLOWABLE ENTRY (NO)
56: SUBSTITUTION (NO)
56: JUSTIFICATION (LEFT)
56: FILL CHARACTER ()
56: FLOAT CHARACTER ()
56: DECIMAL POSITIONS (0)
56: SIGN POSITION (LEADING)
56: AUTO CLOSE (YES)
56: ARITHMETIC OPERATION (NO)
56: AUTO FILL-IN (NO)
56: NEXT PAGE NUMBER (YES - PAGE 3)
56: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X))

56: AUTO-INCREMENT (NO)
56: OUTPUT TO MEMORY CELL (NO)
56: OUTPUT TO DISKETTE (NO)

BIOFORM-07

LOAD
RECORD TYPE:
FOUR

57: TAB STOP (YES)
57: INPUT TYPE (KEYBOARD)
57: CHARACTER TYPE (PRINTABLE)
57: SECURITY FIELD (NO)
57: OVERRIDE ERROR FIELD (NO)
57: MINIMUM LENGTH (0)
57: EXACT LENGTH TABLE (NO)
57: RANGE (NO)
57: ALLOWABLE ENTRY (NO)
57: SUBSTITUTION (NO)
57: JUSTIFICATION (LEFT)
57: FILL CHARACTER ()
57: FLOAT CHARACTER ()
57: DECIMAL POSITIONS (0)
57: SIGN POSITION (LEADING)
57: AUTO CLOSE (YES)
57: ARITHMETIC OPERATION (NO)
57: AUTO FILL-IN (NO)
57: NEXT PAGE NUMBER (YES - PAGE 4)
57: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X;))

57: AUTO-INCREMENT (NO)
57: OUTPUT TO MEMORY CELL (NO)
57: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
FIVE

58: TAB STOP (YES)
58: INPUT TYPE (KEYBOARD)
58: CHARACTER TYPE (PRINTABLE)
58: SECURITY FIELD (NO)
58: OVERRIDE ERROR FIELD (NO)
58: MINIMUM LENGTH (0)
58: EXACT LENGTH TABLE (NO)
58: RANGE (NO)
58: ALLOWABLE ENTRY (NO)
58: SUBSTITUTION (NO)
58: JUSTIFICATION (LEFT)
58: FILL CHARACTER ()
58: FLOAT CHARACTER ()
58: DECIMAL POSITIONS (0)
58: SIGN POSITION (LEADING)
58: AUTO CLOSE (YES)
58: ARITHMETIC OPERATION (NO)
58: AUTO FILL-IN (NO)
58: NEXT PAGE NUMBER (YES - PAGE 5)
58: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X;))

58: AUTO-INCREMENT (NO)
58: OUTPUT TO MEMORY CELL (NO)
58: OUTPUT TO DISKETTE (NO)

BIOFORM-07

LOAD
RECORD TYPE:
SIX

59: TAB STOP (YES)
59: INPUT TYPE (KEYBOARD)
59: CHARACTER TYPE (PRINTABLE)
59: SECURITY FIELD (NO)
59: OVERRIDE ERROR FIELD (NO)
59: MINIMUM LENGTH (0)
59: EXACT LENGTH TABLE (NO)
59: RANGE (NO)
59: ALLOWABLE ENTRY (NO)
59: SUBSTITUTION (NO)
59: JUSTIFICATION (LEFT)
59: FILL CHARACTER ()
59: FLOAT CHARACTER ()
59: DECIMAL POSITIONS (0)
59: SIGN POSITION (LEADING)
59: AUTO CLOSE (YES)
59: ARITHMETIC OPERATION (NO)
59: AUTO FILL-IN (NO)
59: NEXT PAGE NUMBER (YES - PAGE 6)
59: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X))

59: AUTO-INCREMENT (NO)
59: OUTPUT TO MEMORY CELL (NO)
59: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
SEVEN

60: TAB STOP (YES)
60: INPUT TYPE (KEYBOARD)
60: CHARACTER TYPE (PRINTABLE)
60: SECURITY FIELD (NO)
60: OVERRIDE ERROR FIELD (NO)
60: MINIMUM LENGTH (0)
60: EXACT LENGTH TABLE (NO)
60: RANGE (NO)
60: ALLOWABLE ENTRY (NO)
60: SUBSTITUTION (NO)
60: JUSTIFICATION (LEFT)
60: FILL CHARACTER ()
60: FLOAT CHARACTER ()
60: DECIMAL POSITIONS (0)
60: SIGN POSITION (LEADING)
60: AUTO CLOSE (YES)
60: ARITHMETIC OPERATION (NO)
60: AUTO FILL-IN (NO)
60: NEXT PAGE NUMBER (YES - PAGE 7)
60: BRANCHING (TEST LINE: 23 POSITION: 80:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X))

60: AUTO-INCREMENT (NO)
60: OUTPUT TO MEMORY CELL (NO)
60: OUTPUT TO DISKETTE (NO)

BIOFORM-07

LOAD RECORD 61: TAB STOP (YES)
 RECORD TYPE: 61: INPUT TYPE (KEYBOARD)
 EIGHT 61: CHARACTER TYPE (PRINTABLE)
 61: SECURITY FIELD (NO)
 61: OVERRIDE ERROR FIELD (NO)
 61: MINIMUM LENGTH (0)
 61: EXACT LENGTH TABLE (NO)
 61: RANGE (NO)
 61: ALLOWABLE ENTRY (NO)
 61: SUBSTITUTION (NO)
 61: JUSTIFICATION (LEFT)
 61: FILL CHARACTER ()
 61: FLOAT CHARACTER ()
 61: DECIMAL POSITIONS (0)
 61: SIGN POSITION (LEADING)
 61: AUTO CLOSE (YES)
 61: ARITHMETIC OPERATION (NO)
 61: AUTO FILL-IN (NO)
 61: NEXT PAGE NUMBER (NO)
 61: BRANCHING (NO)

61: AUTO-INCREMENT (NO)
 61: OUTPUT TO MEMORY CELL (NO)
 61: OUTPUT TO DISKETTE (NO)

LOAD RECORD 62: TAB STOP (YES)
 RECORD TYPE: 62: INPUT TYPE (KEYBOARD)
 NINE 62: CHARACTER TYPE (PRINTABLE)
 62: SECURITY FIELD (NO)
 62: OVERRIDE ERROR FIELD (NO)
 62: MINIMUM LENGTH (0)
 62: EXACT LENGTH TABLE (NO)
 62: RANGE (NO)
 62: ALLOWABLE ENTRY (NO)
 62: SUBSTITUTION (NO)
 62: JUSTIFICATION (LEFT)
 62: FILL CHARACTER ()
 62: FLOAT CHARACTER ()
 62: DECIMAL POSITIONS (0)
 62: SIGN POSITION (LEADING)
 62: AUTO CLOSE (YES)
 62: ARITHMETIC OPERATION (NO)
 62: AUTO FILL-IN (NO)
 62: NEXT PAGE NUMBER (YES - PAGE 3)
 62: BRANCHING (TEST LINE: 23. POSITION: 80 :

BRANCH: MINIMUM LENGTH (0)
 BRANCH: MAXIMUM LENGTH (1)
 BRANCH: EXACT LENGTH TABLE (NO)
 BRANCH: RANGE (NO)
 BRANCH: ALLOWABLE ENTRY (YES - RAM:
 X))

62: AUTO-INCREMENT (NO)
 62: OUTPUT TO MEMORY CELL (NO)
 62: OUTPUT TO DISKETTE (NO)

BIOFORM-08 ATTRIBUTES

BIOFORM - 08

ACTION
FIELD

TAB STOP (YES)
1: INPUT TYPE (KEYBOARD-CONSTANT: 7)
1: CHARACTER TYPE (ALPHA)
1: SECURITY FIELD (NO)
1: OVERRIDE ERROR FIELD (NO)
1: MINIMUM LENGTH (0)
1: EXACT LENGTH TABLE (NO)
1: RANGE (NO)
1: ALLOWABLE ENTRY (YES:
DRIVE: 1 FILE: ACTION)
1: SUBSTITUTION (NO)
1: JUSTIFICATION (LEFT)
1: FILL CHARACTER ()
1: FLOAT CHARACTER ()
1: DECIMAL POSITIONS (0)
1: SIGN POSITION (LEADING)
1: AUTO CLOSE (YES)
1: ARITHMETIC OPERATION (NO)
1: AUTO FILL-IN (NO)
1: NEXT PAGE NUMBER (NO)
1: BRANCHING (NO)
1: AUTO-INCREMENT (NO)
1: OUTPUT TO MEMORY CELL (NO)
1: OUTPUT TO DISKETTE (YES)

RECORD
TYPE

2: TAB STOP (YES)
2: INPUT TYPE (CONSTANT: 9)
2: CHARACTER TYPE (PRINTABLE)
2: SECURITY FIELD (NO)
2: OVERRIDE ERROR FIELD (NO)
2: MINIMUM LENGTH (0)
2: EXACT LENGTH TABLE (NO)
2: RANGE (NO)
2: ALLOWABLE ENTRY (NO)
2: SUBSTITUTION (NO)
2: JUSTIFICATION (LEFT)
2: FILL CHARACTER ()
2: FLOAT CHARACTER ()
2: DECIMAL POSITIONS (0)
2: SIGN POSITION (LEADING)
2: AUTO CLOSE (YES)
2: ARITHMETIC OPERATION (NO)
2: AUTO FILL-IN (NO)
2: NEXT PAGE NUMBER (NO)
2: BRANCHING (NO)
2: AUTO-INCREMENT (NO)
2: OUTPUT TO MEMORY CELL (NO)
2: OUTPUT TO DISKETTE (YES)

BIOFORM - 08

SEQUENCE
NO : YEAR

3: TAB STOP (YES)
 3: INPUT TYPE (KEYBOARD-MEMORY CELL # 1)
 3: CHARACTER TYPE (DIGIT)
 3: SECURITY FIELD (NO)
 3: OVERRIDE ERROR FIELD (NO)
 3: MINIMUM LENGTH (0)
 3: EXACT LENGTH TABLE (YES:
 2)
 3: RANGE (YES:
 FROM: 65 TO: 85)
 3: ALLOWABLE ENTRY (NO)
 3: SUBSTITUTION (NO)
 3: JUSTIFICATION (LEFT)
 3: FILL CHARACTER ()
 3: FLOAT CHARACTER ()
 3: DECIMAL POSITIONS (0)
 3: SIGN POSITION (LEADING)
 3: AUTO CLOSE (YES)
 3: ARITHMETIC OPERATION (NO)
 3: AUTO FILL-IN (NO)
 3: NEXT PAGE NUMBER (NO)
 3: BRANCHING (NO)
 3: AUTO-INCREMENT (NO)
 3: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 1)
 3: OUTPUT TO DISKETTE (YES)

SEQUENCE
NO : COLLECTION
NO.

4: TAB STOP (YES)
 4: INPUT TYPE (KEYBOARD-MEMORY CELL # 2)
 4: CHARACTER TYPE (DIGIT)
 4: SECURITY FIELD (NO)
 4: OVERRIDE ERROR FIELD (NO)
 4: MINIMUM LENGTH (1)
 4: EXACT LENGTH TABLE (NO)
 4: RANGE (NO)
 4: ALLOWABLE ENTRY (NO)
 4: SUBSTITUTION (NO)
 4: JUSTIFICATION (RIGHT)
 4: FILL CHARACTER (0)
 4: FLOAT CHARACTER (0)
 4: DECIMAL POSITIONS (0)
 4: SIGN POSITION (LEADING)
 4: AUTO CLOSE (YES)
 4: ARITHMETIC OPERATION (NO)
 4: AUTO FILL-IN (NO)
 4: NEXT PAGE NUMBER (NO)
 4: BRANCHING (NO)
 4: AUTO-INCREMENT (NO)
 4: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 2)
 4: OUTPUT TO DISKETTE (YES)

BIOFORM - 08

REPLICATE

5: TAB STOP (YES)
 5: INPUT TYPE (KEYBOARD-MEMORY CELL # 3)
 5: CHARACTER TYPE (DIGIT)
 5: SECURITY FIELD (NO)
 5: OVERRIDE ERROR FIELD (NO)
 5: MINIMUM LENGTH (1)
 5: EXACT LENGTH TABLE (NO)
 5: RANGE (NO)
 5: ALLOWABLE ENTRY (NO)
 5: SUBSTITUTION (NO)
 5: JUSTIFICATION (RIGHT)
 5: FILL CHARACTER (0)
 5: FLOAT CHARACTER (0)
 5: DECIMAL POSITIONS (0)
 5: SIGN POSITION (LEADING)
 5: AUTO CLOSE (YES)
 5: ARITHMETIC OPERATION (NO)
 5: AUTO FILL-IN (NO)
 5: NEXT PAGE NUMBER (NO)
 5: BRANCHING (NO)
 5: AUTO-INCREMENT (NO)
 5: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 3)
 5: OUTPUT TO DISKETTE (YES)

SPECIES

6: TAB STOP (YES)
 6: INPUT TYPE (KEYBOARD-MEMORY CELL # 4)
 6: CHARACTER TYPE (DIGIT)
 6: SECURITY FIELD (NO)
 6: OVERRIDE ERROR FIELD (NO)
 6: MINIMUM LENGTH (8)
 6: EXACT LENGTH TABLE (YES:
 10)
 6: RANGE (NO)
 6: ALLOWABLE ENTRY (NO)
 6: SUBSTITUTION (NO)
 6: JUSTIFICATION (LEFT)
 6: FILL CHARACTER ()
 6: FLOAT CHARACTER ()
 6: DECIMAL POSITIONS (0)
 6: SIGN POSITION (LEADING)
 6: AUTO CLOSE (YES)
 6: ARITHMETIC OPERATION (NO)
 6: AUTO FILL-IN (NO)
 6: NEXT PAGE NUMBER (NO)
 6: BRANCHING (NO)
 6: AUTO-INCREMENT (NO)
 6: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 4)
 6: OUTPUT TO DISKETTE (YES)

BIOFORM - 08

STATUS

7: TAB STOP (YES)
7: INPUT TYPE (KEYBOARD-MEMORY CELL # 5)
7: CHARACTER TYPE (DIGIT)
7: SECURITY FIELD (NO)
7: OVERRIDE ERROR FIELD (NO)
7: MINIMUM LENGTH (1)
7: EXACT LENGTH TABLE (NO)
7: RANGE (NO)
7: ALLOWABLE ENTRY (NO)
7: SUBSTITUTION (NO)
7: JUSTIFICATION (LEFT)
7: FILL CHARACTER ()
7: FLOAT CHARACTER ()
7: DECIMAL POSITIONS (0)
7: SIGN POSITION (LEADING)
7: AUTO CLOSE (YES)
7: ARITHMETIC OPERATION (NO)
7: AUTO FILL-IN (NO)
7: NEXT PAGE NUMBER (NO)
7: BRANCHING (NO)
7: AUTO-INCREMENT (NO)
7: OUTPUT TO MEMORY CELL (YES - MEMORY CELL # 5)
7: OUTPUT TO DISKETTE (YES)

LINE
NUMBER

8: TAB STOP (YES)
8: INPUT TYPE (KEYBOARD-REGISTER # 1)
8: CHARACTER TYPE (DIGIT)
8: SECURITY FIELD (NO)
8: OVERRIDE ERROR FIELD (NO)
8: MINIMUM LENGTH (1)
8: EXACT LENGTH TABLE (NO)
8: RANGE (NO)
8: ALLOWABLE ENTRY (NO)
8: SUBSTITUTION (NO)
8: JUSTIFICATION (RIGHT)
8: FILL CHARACTER (0)
8: FLOAT CHARACTER (0)
8: DECIMAL POSITIONS (0)
8: SIGN POSITION (LEADING)
8: AUTO CLOSE (YES)
8: ARITHMETIC OPERATION (YES :
R1=F8+1)
8: AUTO FILL-IN (NO)
8: NEXT PAGE NUMBER (NO)
8: BRANCHING (NO)
8: AUTO-INCREMENT (NO)
8: OUTPUT TO MEMORY CELL (NO)
8: OUTPUT TO DISKETTE (YES)

BIOFORM - 08

TAG
NUMBER

9: TAB STOP (YES)
 9: INPUT TYPE (KEYBOARD)
 9: CHARACTER TYPE (MIXED)
 9: SECURITY FIELD (NO)
 9: OVERRIDE ERROR FIELD (YES)
 9: MINIMUM LENGTH (0)
 9: EXACT LENGTH TABLE (YES:
 6)
 9: RANGE (NO)
 9: ALLOWABLE ENTRY (NO)
 9: SUBSTITUTION (NO)
 9: JUSTIFICATION (LEFT)
 9: FILL CHARACTER ()
 9: FLOAT CHARACTER ()
 9: DECIMAL POSITIONS (0)
 9: SIGN POSITION (LEADING)
 9: AUTO CLOSE (YES)
 9: ARITHMETIC OPERATION (NO)
 9: AUTO FILL-IN (NO)
 9: NEXT PAGE NUMBER (NO)
 9: BRANCHING (NO)
 9: AUTO-INCREMENT (NO)
 9: OUTPUT TO MEMORY CELL (NO)
 9: OUTPUT TO DISKETTE (YES)

TAG
TYPE

10: TAB STOP (YES)
 10: INPUT TYPE (KEYBOARD)
 10: CHARACTER TYPE (ALPHA)
 10: SECURITY FIELD (NO)
 10: OVERRIDE ERROR FIELD (NO)
 10: MINIMUM LENGTH (1)
 10: EXACT LENGTH TABLE (NO)
 10: RANGE (NO)
 10: ALLOWABLE ENTRY (NO)
 10: SUBSTITUTION (NO)
 10: JUSTIFICATION (LEFT)
 10: FILL CHARACTER ()
 10: FLOAT CHARACTER ()
 10: DECIMAL POSITIONS (0)
 10: SIGN POSITION (LEADING)
 10: AUTO CLOSE (YES)
 10: ARITHMETIC OPERATION (NO)
 10: AUTO FILL-IN (NO)
 10: NEXT PAGE NUMBER (NO)
 10: BRANCHING (NO)
 10: AUTO-INCREMENT (NO)
 10: OUTPUT TO MEMORY CELL (NO)
 10: OUTPUT TO DISKETTE (YES)

BIOFORM - 08

RECAPTURE
DATE : YEAR

11: TAB STOP (YES)
11: INPUT TYPE (KEYBOARD)
11: CHARACTER TYPE (DIGIT)
11: SECURITY FIELD (NO)
11: OVERRIDE ERROR FIELD (YES)
11: MINIMUM LENGTH (0)
11: EXACT LENGTH TABLE (YES:
0,2)
11: RANGE (NO)

11: ALLOWABLE ENTRY (NO)
11: SUBSTITUTION (NO)
11: JUSTIFICATION (LEFT)
11: FILL CHARACTER ()
11: FLOAT CHARACTER ()
11: DECIMAL POSITIONS (0)
11: SIGN POSITION (LEADING)
11: AUTO CLOSE (YES)
11: ARITHMETIC OPERATION (NO)
11: AUTO FILL-IN (NO)
11: NEXT PAGE NUMBER (NO)
11: BRANCHING (NO)
11: AUTO-INCREMENT (NO)
11: OUTPUT TO MEMORY CELL (NO)
11: OUTPUT TO DISKETTE (YES)

RECAPTURE
DATE : MONTH

12: TAB STOP (YES)
12: INPUT TYPE (KEYBOARD)
12: CHARACTER TYPE (DIGIT)
12: SECURITY FIELD (NO)
12: OVERRIDE ERROR FIELD (YES)
12: MINIMUM LENGTH (0)
12: EXACT LENGTH TABLE (YES:
0,2)
12: RANGE (YES:
FROM: 00 TO: 12)
12: ALLOWABLE ENTRY (NO)
12: SUBSTITUTION (NO)
12: JUSTIFICATION (LEFT)
12: FILL CHARACTER ()
12: FLOAT CHARACTER ()
12: DECIMAL POSITIONS (0)
12: SIGN POSITION (LEADING)
12: AUTO CLOSE (YES)
12: ARITHMETIC OPERATION (NO)
12: AUTO FILL-IN (NO)
12: NEXT PAGE NUMBER (NO)
12: BRANCHING (NO)
12: AUTO-INCREMENT (NO)
12: OUTPUT TO MEMORY CELL (NO)
12: OUTPUT TO DISKETTE (YES)

BIOFORM - 08

RECAPTURE
DATE : DAY

13: TAB STOP (YES)
13: INPUT TYPE (KEYBOARD)
13: CHARACTER TYPE (DIGIT)
13: SECURITY FIELD (NO)
13: OVERRIDE ERROR FIELD (YES)
13: MINIMUM LENGTH (0)
13: EXACT LENGTH TABLE (Yes: 0,2)
13: RANGE (YES:
FROM: 00 TO: 31)
13: ALLOWABLE ENTRY (NO)
13: SUBSTITUTION (NO)
13: JUSTIFICATION (RIGHT)
13: FILL CHARACTER (0)
13: FLOAT CHARACTER (0)
13: DECIMAL POSITIONS (0)
13: SIGN POSITION (LEADING)
13: AUTO CLOSE (YES)
13: ARITHMETIC OPERATION (NO)
13: AUTO FILL-IN (NO)
13: NEXT PAGE NUMBER (NO)
13: BRANCHING (NO)
13: AUTO-INCREMENT (NO)
13: OUTPUT TO MEMORY CELL (NO)
13: OUTPUT TO DISKETTE (YES)

RECAPTURE
LOCATION

14: TAB STOP (YES)
14: INPUT TYPE (KEYBOARD)
14: CHARACTER TYPE (DIGIT)
14: SECURITY FIELD (NO)
14: OVERRIDE ERROR FIELD (YES)
14: MINIMUM LENGTH (0)
14: EXACT LENGTH TABLE (YES:
0; 10)
14: RANGE (YES:
FROM: 0000000000 TO: 4400000000)
14: ALLOWABLE ENTRY (NO)
14: SUBSTITUTION (NO)
14: JUSTIFICATION (LEFT)
14: FILL CHARACTER ()
14: FLOAT CHARACTER ()
14: DECIMAL POSITIONS (0)
14: SIGN POSITION (LEADING)
14: AUTO CLOSE (YES)
14: ARITHMETIC OPERATION (NO)
14: AUTO FILL-IN (NO)
14: NEXT PAGE NUMBER (NO)
14: BRANCHING (NO)
14: AUTO-INCREMENT (NO)
14: OUTPUT TO MEMORY CELL (NO)
14: OUTPUT TO DISKETTE (YES)

BIOFORM - 08

RECAPTURE
GEAR

15: TAB STOP (YES)
 15: INPUT TYPE (KEYBOARD)
 15: CHARACTER TYPE (DIGIT)
 15: SECURITY FIELD (NO)
 15: OVERRIDE ERROR FIELD (YES)
 15: MINIMUM LENGTH (8)
 15: EXACT LENGTH TABLE (YES:
 3)
 15: RANGE (NO)
 15: ALLOWABLE ENTRY (NO)
 15: SUBSTITUTION (NO)
 15: JUSTIFICATION (LEFT)
 15: FILL CHARACTER ()
 15: FLOAT CHARACTER ()
 15: DECIMAL POSITIONS (8)
 15: SIGN POSITION (LEADING)
 15: AUTO CLOSE (YES)
 15: ARITHMETIC OPERATION (NO)
 15: AUTO FILL-IN (NO)
 15: NEXT PAGE NUMBER (NO)
 15: BRANCHING (NO)
 15: AUTO-INCREMENT (NO)
 15: OUTPUT TO MEMORY CELL (NO)
 15: OUTPUT TO DISKETTE (YES)

DAYS
OUT

16: TAB STOP (YES)
 16: INPUT TYPE (KEYBOARD)
 16: CHARACTER TYPE (DIGIT)
 16: SECURITY FIELD (NO)
 16: OVERRIDE ERROR FIELD (YES)
 16: MINIMUM LENGTH (8)
 16: EXACT LENGTH TABLE (NO)
 16: RANGE (NO)
 16: ALLOWABLE ENTRY (NO)
 16: SUBSTITUTION (NO)
 16: JUSTIFICATION (RIGHT)
 16: FILL CHARACTER ()
 16: FLOAT CHARACTER ()
 16: DECIMAL POSITIONS (8)
 16: SIGN POSITION (LEADING)
 16: AUTO CLOSE (YES)
 16: ARITHMETIC OPERATION (NO)
 16: AUTO FILL-IN (NO)
 16: NEXT PAGE NUMBER (NO)
 16: BRANCHING (NO)
 16: AUTO-INCREMENT (NO)
 16: OUTPUT TO MEMORY CELL (NO)
 16: OUTPUT TO DISKETTE (YES)

BIOFORM - 08

DISTANCE
TRAVELLED

17: TAB STOP (YES)
17: INPUT TYPE (KEYBOARD)
17: CHARACTER TYPE (PRINTABLE)
17: SECURITY FIELD (NO)
17: OVERRIDE ERROR FIELD (YES)
17: MINIMUM LENGTH (0)
17: EXACT LENGTH TABLE (NO)
17: RANGE (NO)
17: ALLOWABLE ENTRY (NO)
17: SUBSTITUTION (NO)
17: JUSTIFICATION (RIGHT)
17: FILL CHARACTER ()
17: FLOAT CHARACTER ()
17: DECIMAL POSITIONS (0)
17: SIGN POSITION (LEADING)
17: AUTO CLOSE (YES)
17: ARITHMETIC OPERATION (NO)
17: AUTO FILL-IN (NO)
17: NEXT PAGE NUMBER (NO)
17: BRANCHING (NO)
17: AUTO-INCREMENT (NO)
17: OUTPUT TO MEMORY CELL (NO)
17: OUTPUT TO DISKETTE (YES)

RECAPTURE
LENGTH

18: TAB STOP (YES)
18: INPUT TYPE (KEYBOARD)
18: CHARACTER TYPE (DIGIT)
18: SECURITY FIELD (NO)
18: OVERRIDE ERROR FIELD (YES)
18: MINIMUM LENGTH (0)
18: EXACT LENGTH TABLE (NO)
18: RANGE (NO)
18: ALLOWABLE ENTRY (NO)
18: SUBSTITUTION (NO)
18: JUSTIFICATION (RIGHT)
18: FILL CHARACTER ()
18: FLOAT CHARACTER ()
18: DECIMAL POSITIONS (0)
18: SIGN POSITION (LEADING)
18: AUTO CLOSE (YES)
18: ARITHMETIC OPERATION (NO)
18: AUTO FILL-IN (NO)
18: NEXT PAGE NUMBER (NO)
18: BRANCHING (NO)
18: AUTO-INCREMENT (NO)
18: OUTPUT TO MEMORY CELL (NO)
18: OUTPUT TO DISKETTE (YES)

BIOFORM - 08

RECAPTURE
WEIGHT

19: TAB STOP (YES)
 19: INPUT TYPE (KEYBOARD)
 19: CHARACTER TYPE (PRINTABLE)
 19: SECURITY FIELD (NO)
 19: OVERRIDE ERROR FIELD (YES)
 19: MINIMUM LENGTH (0)
 19: EXACT LENGTH TABLE (NO)
 19: RANGE (NO)
 19: ALLOWABLE ENTRY (NO)
 19: SUBSTITUTION (NO)
 19: JUSTIFICATION (RIGHT)
 19: FILL CHARACTER ()
 19: FLOAT CHARACTER ()
 19: DECIMAL POSITIONS (0)
 19: SIGN POSITION (LEADING)
 19: AUTO CLOSE (YES)
 19: ARITHMETIC OPERATION (NO)
 19: AUTO FILL-IN (NO)
 19: NEXT PAGE NUMBER (NO)
 19: BRANCHING (NO)
 19: AUTO-INCREMENT (NO)
 19: OUTPUT TO MEMORY CELL (NO)
 19: OUTPUT TO DISKETTE (YES)

RECAPTURE
MATURITY

20: TAB STOP (YES)
 20: INPUT TYPE (KEYBOARD)
 20: CHARACTER TYPE (DIGIT)
 20: SECURITY FIELD (NO)
 20: OVERRIDE ERROR FIELD (YES)
 20: MINIMUM LENGTH (0)
 20: EXACT LENGTH TABLE (NO)
 20: RANGE (NO)
 20: ALLOWABLE ENTRY (NO)
 20: SUBSTITUTION (NO)
 20: JUSTIFICATION (LEFT)
 20: FILL CHARACTER ()
 20: FLOAT CHARACTER ()
 20: DECIMAL POSITIONS (0)
 20: SIGN POSITION (LEADING)
 20: AUTO CLOSE (YES)
 20: ARITHMETIC OPERATION (NO)
 20: AUTO FILL-IN (NO)
 20: NEXT PAGE NUMBER (NO)
 20: BRANCHING (NO)
 20: AUTO-INCREMENT (NO)
 20: OUTPUT TO MEMORY CELL (NO)
 20: OUTPUT TO DISKETTE (YES)

BIOFORM - 08

VARIABLE
FIELD
#1

21: TAB STOP (YES)
21: INPUT TYPE (KEYBOARD)
21: CHARACTER TYPE (PRINTABLE)
21: SECURITY FIELD (NO)
21: OVERRIDE ERROR FIELD (NO)
21: MINIMUM LENGTH (0)
21: EXACT LENGTH TABLE (NO)
21: RANGE (NO)
21: ALLOWABLE ENTRY (NO)
21: SUBSTITUTION (NO)
21: JUSTIFICATION (LEFT)
21: FILL CHARACTER ()
21: FLOAT CHARACTER ()
21: DECIMAL POSITIONS (0)
21: SIGN POSITION (LEADING)
21: AUTO CLOSE (YES)
21: ARITHMETIC OPERATION (NO)
21: AUTO FILL-IN (NO)
21: NEXT PAGE NUMBER (NO)
21: BRANCHING (NO)
21: AUTO-INCREMENT (NO)
21: OUTPUT TO MEMORY CELL (NO)
21: OUTPUT TO DISKETTE (YES)

VARIABLE
FIELD
#2

22: TAB STOP (YES)
22: INPUT TYPE (KEYBOARD)
22: CHARACTER TYPE (PRINTABLE)
22: SECURITY FIELD (NO)
22: OVERRIDE ERROR FIELD (NO)
22: MINIMUM LENGTH (0)
22: EXACT LENGTH TABLE (NO)
22: RANGE (NO)
22: ALLOWABLE ENTRY (NO)
22: SUBSTITUTION (NO)
22: JUSTIFICATION (LEFT)
22: FILL CHARACTER ()
22: FLOAT CHARACTER ()
22: DECIMAL POSITIONS (0)
22: SIGN POSITION (LEADING)
22: AUTO CLOSE (YES)
22: ARITHMETIC OPERATION (NO)
22: AUTO FILL-IN (NO)
22: NEXT PAGE NUMBER (NO)
22: BRANCHING (NO)
22: AUTO-INCREMENT (NO)
22: OUTPUT TO MEMORY CELL (NO)
22: OUTPUT TO DISKETTE (YES)

BIOFORM - 08

VARIABLE
FIELD
#3

23: TAB STOP (YES)
23: INPUT TYPE (KEYBOARD)
23: CHARACTER TYPE (PRINTABLE)
23: SECURITY FIELD (NO)
23: OVERRIDE ERROR FIELD (NO)
23: MINIMUM LENGTH (0)
23: EXACT LENGTH TABLE (NO)
23: RANGE (NO)
23: ALLOWABLE ENTRY (NO)
23: SUBSTITUTION (NO)
23: JUSTIFICATION (LEFT)
23: FILL CHARACTER ()
23: FLOAT CHARACTER ()
23: DECIMAL POSITIONS (0)
23: SIGN POSITION (LEADING)
23: AUTO CLOSE (YES)
23: ARITHMETIC OPERATION (NO)
23: AUTO FILL-IN (NO)
23: NEXT PAGE NUMBER (NO)
23: BRANCHING (NO)
23: AUTO-INCREMENT (NO)
23: OUTPUT TO MEMORY CELL (NO)
23: OUTPUT TO DISKETTE (YES)

VARIABLE
FIELD
#4

24: TAB STOP (YES)
24: INPUT TYPE (KEYBOARD)
24: CHARACTER TYPE (PRINTABLE)
24: SECURITY FIELD (NO)
24: OVERRIDE ERROR FIELD (NO)
24: MINIMUM LENGTH (0)
24: EXACT LENGTH TABLE (NO)
24: RANGE (NO)
24: ALLOWABLE ENTRY (NO)
24: SUBSTITUTION (NO)
24: JUSTIFICATION (LEFT)
24: FILL CHARACTER ()
24: FLOAT CHARACTER ()
24: DECIMAL POSITIONS (0)
24: SIGN POSITION (LEADING)
24: AUTO CLOSE (YES)
24: ARITHMETIC OPERATION (NO)
24: AUTO FILL-IN (NO)
24: NEXT PAGE NUMBER (NO)
24: BRANCHING (NO)
24: AUTO-INCREMENT (NO)
24: OUTPUT TO MEMORY CELL (NO)
24: OUTPUT TO DISKETTE (YES)

BIOFORM - 08

VARIABLE
FIELD
#5

25: TAB STOP (YES)
 25: INPUT TYPE (KEYBOARD)
 25: CHARACTER TYPE (PRINTABLE)
 25: SECURITY FIELD (NO)
 25: OVERRIDE ERROR FIELD (NO)
 25: MINIMUM LENGTH (0)
 25: EXACT LENGTH TABLE (NO)
 25: RANGE (NO)
 25: ALLOWABLE ENTRY (NO)
 25: SUBSTITUTION (NO)
 25: JUSTIFICATION (LEFT)
 25: FILL CHARACTER ()
 25: FLOAT CHARACTER ()
 25: DECIMAL POSITIONS (0)
 25: SIGN POSITION (LEADING)
 25: AUTO CLOSE (YES)
 25: ARITHMETIC OPERATION (NO)
 25: AUTO FILL-IN (NO)
 25: NEXT PAGE NUMBER (NO)
 25: BRANCHING (NO)
 25: AUTO-INCREMENT (NO)
 25: OUTPUT TO MEMORY CELL (NO)
 25: OUTPUT TO DISKETTE (YES)

LOAD
RECORD TYPE:
ONE

26: TAB STOP (YES)
 26: INPUT TYPE (KEYBOARD)
 26: CHARACTER TYPE (PRINTABLE)
 26: SECURITY FIELD (NO)
 26: OVERRIDE ERROR FIELD (NO)
 26: MINIMUM LENGTH (0)
 26: EXACT LENGTH TABLE (NO)
 26: RANGE (NO)
 26: ALLOWABLE ENTRY (NO)
 26: SUBSTITUTION (NO)
 26: JUSTIFICATION (LEFT)
 26: FILL CHARACTER ()
 26: FLOAT CHARACTER ()
 26: DECIMAL POSITIONS (0)
 26: SIGN POSITION (LEADING)
 26: AUTO CLOSE (YES)
 26: ARITHMETIC OPERATION (NO)
 26: AUTO FILL-IN (NO)
 26: NEXT PAGE NUMBER (YES - PAGE 1)
 26: BRANCHING (TEST LINE: 23 POSITION: 80
 ERASURE OF BRANCHED OVER FIELDS:

 BRANCH: MINIMUM LENGTH (0)
 BRANCH: MAXIMUM LENGTH (1)
 BRANCH: EXACT LENGTH TABLE (NO)
 BRANCH: RANGE (NO)
 BRANCH: ALLOWABLE ENTRY (YES - RAM:
 X:))
 26: AUTO-INCREMENT (NO)
 26: OUTPUT TO MEMORY CELL (NO)
 26: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
TWO

27: TAB STOP (YES)
27: INPUT TYPE (KEYBOARD)
27: CHARACTER TYPE (PRINTABLE)
27: SECURITY FIELD (NO)
27: OVERRIDE ERROR FIELD (NO)
27: MINIMUM LENGTH (0)
27: EXACT LENGTH TABLE (NO)
27: RANGE (NO)
27: ALLOWABLE ENTRY (NO)
27: SUBSTITUTION (NO)
27: JUSTIFICATION (LEFT)
27: FILL CHARACTER ()
27: FLOAT CHARACTER ()
27: DECIMAL POSITIONS (0)
27: SIGN POSITION (LEADING)
27: AUTO CLOSE (YES)
27: ARITHMETIC OPERATION (NO)
27: AUTO FILL-IN (NO)
27: NEXT PAGE NUMBER (YES - PAGE 2)
27: BRANCHING (TEST LINE: 23 POSITION: 80
ERASURE OF BRANCHED OVER FIELDS:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

27: AUTO-INCREMENT (NO)
27: OUTPUT TO MEMORY CELL (NO)
27: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
THREE

28: TAB STOP (YES)
28: INPUT TYPE (KEYBOARD)
28: CHARACTER TYPE (PRINTABLE)
28: SECURITY FIELD (NO)
28: OVERRIDE ERROR FIELD (NO)
28: MINIMUM LENGTH (0)
28: EXACT LENGTH TABLE (NO)
28: RANGE (NO)
28: ALLOWABLE ENTRY (NO)
28: SUBSTITUTION (NO)
28: JUSTIFICATION (LEFT)
28: FILL CHARACTER ()
28: FLOAT CHARACTER ()
28: DECIMAL POSITIONS (0)
28: SIGN POSITION (LEADING)
28: AUTO CLOSE (YES)
28: ARITHMETIC OPERATION (NO)
28: AUTO FILL-IN (NO)
28: NEXT PAGE NUMBER (YES - PAGE 3)
28: BRANCHING (TEST LINE: 23 POSITION: 80
ERASURE OF BRANCHED OVER FIELDS:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X:))

28: AUTO-INCREMENT (NO)
28: OUTPUT TO MEMORY CELL (NO)
28: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
FOUR

29: TAB STOP (YES)
 29: INPUT TYPE (KEYBOARD)
 29: CHARACTER TYPE (PRINTABLE)
 29: SECURITY FIELD (NO)
 29: OVERRIDE ERROR FIELD (NO)
 29: MINIMUM LENGTH (0)
 29: EXACT LENGTH TABLE (NO)
 29: RANGE (NO)
 29: ALLOWABLE ENTRY (NO)
 29: SUBSTITUTION (NO)
 29: JUSTIFICATION (LEFT)
 29: FILL CHARACTER ()
 29: FLOAT CHARACTER ()
 29: DECIMAL POSITIONS (0)
 29: SIGN POSITION (LEADING)
 29: AUTO CLOSE (YES)
 29: ARITHMETIC OPERATION (NO)
 29: AUTO FILL-IN (NO)
 29: NEXT PAGE NUMBER (YES - PAGE 4)
 29: BRANCHING (TEST LINE: 23 POSITION: 80
 ERASURE OF BRANCHED OVER FIELDS:

BRANCH: MINIMUM LENGTH (0)
 BRANCH: MAXIMUM LENGTH (1)
 BRANCH: EXACT LENGTH TABLE (NO)
 BRANCH: RANGE (NO)
 BRANCH: ALLOWABLE ENTRY (YES - RAM:
 X))

29: AUTO-INCREMENT (NO)
 29: OUTPUT TO MEMORY CELL (NO)
 29: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
FIVE

30: TAB STOP (YES)
 30: INPUT TYPE (KEYBOARD)
 30: CHARACTER TYPE (PRINTABLE)
 30: SECURITY FIELD (NO)
 30: OVERRIDE ERROR FIELD (NO)
 30: MINIMUM LENGTH (0)
 30: EXACT LENGTH TABLE (NO)
 30: RANGE (NO)
 30: ALLOWABLE ENTRY (NO)
 30: SUBSTITUTION (NO)
 30: JUSTIFICATION (LEFT)
 30: FILL CHARACTER ()
 30: FLOAT CHARACTER ()
 30: DECIMAL POSITIONS (0)
 30: SIGN POSITION (LEADING)
 30: AUTO CLOSE (YES)
 30: ARITHMETIC OPERATION (NO)
 30: AUTO FILL-IN (NO)
 30: NEXT PAGE NUMBER (YES - PAGE 5)
 30: BRANCHING (TEST LINE: 23 POSITION: 80
 ERASURE OF BRANCHED OVER FIELDS:

BRANCH: MINIMUM LENGTH (0)
 BRANCH: MAXIMUM LENGTH (1)
 BRANCH: EXACT LENGTH TABLE (NO)
 BRANCH: RANGE (NO)
 BRANCH: ALLOWABLE ENTRY (YES - RAM:
 X))

30: AUTO-INCREMENT (NO)
 30: OUTPUT TO MEMORY CELL (NO)
 30: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
SIX

- 31: TAB STOP (YES)
- 31: INPUT TYPE (KEYBOARD)
- 31: CHARACTER TYPE (PRINTABLE)
- 31: SECURITY FIELD (NO)
- 31: OVERRIDE ERROR FIELD (NO)
- 31: MINIMUM LENGTH (0)
- 31: EXACT LENGTH TABLE (NO)
- 31: RANGE (NO)
- 31: ALLOWABLE ENTRY (NO)
- 31: SUBSTITUTION (NO)
- 31: JUSTIFICATION (LEFT)
- 31: FILL CHARACTER ()
- 31: FLOAT CHARACTER ()
- 31: DECIMAL POSITIONS (0)
- 31: SIGN POSITION (LEADING)
- 31: AUTO CLOSE (YES)
- 31: ARITHMETIC OPERATION (NO)
- 31: AUTO FILL-IN (NO)
- 31: NEXT PAGE NUMBER (YES - PAGE 6)
- 31: BRANCHING (TEST LINE: 23 POSITION: 80

ERASURE OF BRANCHED OVER FIELDS:

- BRANCH: MINIMUM LENGTH (0)
- BRANCH: MAXIMUM LENGTH (1)
- BRANCH: EXACT LENGTH TABLE (NO)
- BRANCH: RANGE (NO)
- BRANCH: ALLOWABLE ENTRY (YES - RAM: X;))

- 31: AUTO-INCREMENT (NO)
- 31: OUTPUT TO MEMORY CELL (NO)
- 31: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
SEVEN

- 32: TAB STOP (YES)
- 32: INPUT TYPE (KEYBOARD)
- 32: CHARACTER TYPE (PRINTABLE)
- 32: SECURITY FIELD (NO)
- 32: OVERRIDE ERROR FIELD (NO)
- 32: MINIMUM LENGTH (0)
- 32: EXACT LENGTH TABLE (NO)
- 32: RANGE (NO)
- 32: ALLOWABLE ENTRY (NO)
- 32: SUBSTITUTION (NO)
- 32: JUSTIFICATION (LEFT)
- 32: FILL CHARACTER ()
- 32: FLOAT CHARACTER ()
- 32: DECIMAL POSITIONS (0)
- 32: SIGN POSITION (LEADING)
- 32: AUTO CLOSE (YES)
- 32: ARITHMETIC OPERATION (NO)
- 32: AUTO FILL-IN (NO)
- 32: NEXT PAGE NUMBER (YES - PAGE 7)
- 32: BRANCHING (TEST LINE: 23 POSITION: 80

ERASURE OF BRANCHED OVER FIELDS:

- BRANCH: MINIMUM LENGTH (0)
- BRANCH: MAXIMUM LENGTH (1)
- BRANCH: EXACT LENGTH TABLE (NO)
- BRANCH: RANGE (NO)
- BRANCH: ALLOWABLE ENTRY (YES - RAM: X;))

- 32: AUTO-INCREMENT (NO)
- 32: OUTPUT TO MEMORY CELL (NO)
- 32: OUTPUT TO DISKETTE (NO)

BIOFORM - 08

LOAD
RECORD TYPE:
EIGHT

33: TAB STOP (YES)
33: INPUT TYPE (KEYBOARD)
33: CHARACTER TYPE (PRINTABLE)
33: SECURITY FIELD (NO)
33: OVERRIDE ERROR FIELD (NO)
33: MINIMUM LENGTH (0)
33: EXACT LENGTH TABLE (NO)
33: RANGE (NO)
33: ALLOWABLE ENTRY (NO)
33: SUBSTITUTION (NO)
33: JUSTIFICATION (LEFT)
33: FILL CHARACTER ()
33: FLOAT CHARACTER ()
33: DECIMAL POSITIONS (0)
33: SIGN POSITION (LEADING)
33: AUTO CLOSE (YES)
33: ARITHMETIC OPERATION (NO)
33: AUTO FILL-IN (NO)
33: NEXT PAGE NUMBER (NO)
33: BRANCHING (NO)
33: AUTO-INCREMENT (NO)
33: OUTPUT TO MEMORY CELL (NO)
33: OUTPUT TO DISKETTE (NO)

LOAD
RECORD TYPE:
NINE

34: TAB STOP (YES)
34: INPUT TYPE (KEYBOARD)
34: CHARACTER TYPE (PRINTABLE)
34: SECURITY FIELD (NO)
34: OVERRIDE ERROR FIELD (NO)
34: MINIMUM LENGTH (0)
34: EXACT LENGTH TABLE (NO)
34: RANGE (NO)
34: ALLOWABLE ENTRY (NO)
34: SUBSTITUTION (NO)
34: JUSTIFICATION (LEFT)
34: FILL CHARACTER ()
34: FLOAT CHARACTER ()
34: DECIMAL POSITIONS (0)
34: SIGN POSITION (LEADING)
34: AUTO CLOSE (YES)
34: ARITHMETIC OPERATION (NO)
34: AUTO FILL-IN (NO)
34: NEXT PAGE NUMBER (YES - PAGE 8)
34: BRANCHING (TEST LINE: 23 POSITION: 80
ERASURE OF BRANCHED OVER FIELDS:

BRANCH: MINIMUM LENGTH (0)
BRANCH: MAXIMUM LENGTH (1)
BRANCH: EXACT LENGTH TABLE (NO)
BRANCH: RANGE (NO)
BRANCH: ALLOWABLE ENTRY (YES - RAM:
X))

34: AUTO-INCREMENT (NO)
34: OUTPUT TO MEMORY CELL (NO)
34: OUTPUT TO DISKETTE (NO)

APPENDIX B-3: DIRECTORY FOR DATA ENTRY DISKETTE

File Name	Size
ACTION	10
BIOFORM-00	155
BIOFORM-01	3276
BIOFORM-02	1768
BIOFORM-03	1887
BIOFORM-04	2284
BIOFORM-05	2704
BIOFORM-06	2483
BIOFORM-07	3250
BIOFORM-08	2121
LAYOUT 01	1150
LAYOUT 02	573
LAYOUT 03	751
LAYOUT 04	843
LAYOUT 05	988
LAYOUT 06	926
LAYOUT 07	1061
LAYOUT 08	851
SEX	31

APPENDIX B-4: ALLOWABLE ENTRY AND SUBSTITUTION FILES

File: Action

REC'D :

File : Sex

M, 1;
F, 2;
U, 3;
1, 1;
2, 2;
3, 3;

APPENDIX C-1.

Output from the update program

REC. TYPE	SEQ. NBR.	REP. NBR.	SPECIES CODE	LINE NBR.	UPDATE MESSAGE	ERROR MESSAGE	DATA FROM TRANSACTION
3	7903450	06	5708010200-0		RECORD DELETED		9995999995555999999999955555999
3	7903450	06	8729010105-0		RECORD DELETED		9995999995555999999999955555999
3	7903450	06	8E35020301-0		RECORD DELETED		9995999995555999999999955555999
3	7903450	06	8E35250101-0		RECORD DELETED		9995999995555999999999955555999
3	7903450	06	8E35440104-0		RECORD DELETED		9995999995555999999999955555999
3	7903450	06	8E35440401-0		RECORD DELETED		9995999995555999999999955555999
3	7903450	06	8E35440600-0		RECORD DELETED		9995999995555999999999955555999
3	7903450	06	8E35440701-0		RECORD DELETED		9995999995555999999999955555999
3	7903450	06	8F51070103-0		RECORD DELETED		9995999995555999999999955555999
3	7903450	06	8E61010201-0		RECORD DELETED		9995999995555999999999955555999
3	8022854	01	8E35020102-0		RECORD ADDED		000C1999999000019955999000C0C15559997
4	8022854	01	8E35020102-0	CC1	RECORD ADDED		0010225 3
3	8022854	01	8E35160602-0		RECORD DELETED		9995999995555999999999955555999
4	8022854	01	8E35160602-0	001	RECORD DELETED		1111111
3	8022872	01	8E35200101-0		RECORD DELETED		9995999995555999999999955555999
4	8022872	01	8E35200101-0	CC1	RECORD DELETED		1111111
3	8022872	01	8E35520101-0		RECORD ADDED		000C19999990000199555555C0C15559991
4	8022872	01	8E35520101-0	CC1	RECORD ADDED		0010055
3	8002880	01	8E35020301-0		RECORD DELETED		9995999995555999999999955555999
4	8002880	01	8E35020301-0	CC1	RECORD DELETED		1111111
3	8002880	01	8E35200101-0		RECORD DELETED		9995999995555999999999955555999
4	8002880	01	8E35200101-0	CC1	RECORD DELETED		1111111
3	8002880	01	8E35400201-0		RECORD ADDED		000C6999999000069999999000C0C65559991
4	8002880	01	8E35400201-0	001	RECORD ADDED		0060105
3	8002880	01	8E35520101-0		RECORD ADDED		000C29999990002995599999999000C0C29959991
4	8002880	01	8E35520101-0	CC1	RECORD ADDED		0020065
1	8002995				RECORD CHANGED		433801125 0006000000 N19 553

UPDATE ACTIVITY REPORT

REC. TYPE	SEQ. NBR.	REP. NBR.	SPECIES CODE	LINE APP.	UPDATE MESSAGE	ERROR MESSAGE	DATA FROM TRANSACTION
4	8002997	05	8E57030301-2	0C7	RECORD DELETED		1111111
4	8002997	05	8E57030301-2	008	RECORD DELETED		1111111
4	8002997	05	8E57030301-2	009	RECORD DELETED		1111111
1	8003000				RECORD CHANGED		433801217 CC06C100CC N19 553
2	8003000	00			RECORD ADDED		9999999999999999
3	8003000	00	5700000000-0		RECORD ADDED		99999999999999999999999999999999
3	8003000	00	8729010105-0		RECORD ADDED		99999999999999999999999999999999
3	8003000	00	8E35250101-0		RECORD ADDED		99999999999999999999999999999999
3	8003000	00	8E35440104-0		RECORD ADDED		99999999999999999999999999999999
3	8003000	00	8E35440701-0		RECORD ADDED		99999999999999999999999999999999
3	8003000	00	8E50020102-0		RECORD ADDED		99999999999999999999999999999999
3	8003000	00	8E51020103-0		RECORD ADDED		99999999999999999999999999999999
3	8003000	00	8E57030301-2		RECORD ADDED		99999999999999999999999999999999
4	8003000	00	8E57030301-2	001	RECORD ADDED		0010223
4	8003000	00	8E57030301-2	002	RECORD ADDED		0010232
4	8003000	00	8E57030301-2	003	RECORD ADDED		0010196
4	8003000	00	8E57030301-2	004	RECORD ADDED		0010214
2	8003000	05			RECORD CHANGED		883C.2883C.2000
3	8002600	05	5700000000-0		RECORD DELETED		99999999999999999999999999999999
3	8003000	05	8729010105-0		RECORD DELETED		99999999999999999999999999999999
3	8003000	05	8E35250101-0		RECORD DELETED		99999999999999999999999999999999
3	8003000	05	8E35440104-0		RECORD DELETED		99999999999999999999999999999999
3	8003000	05	8E35440701-0		RECORD DELETED		99999999999999999999999999999999
3	8003000	05	8E50030102-0		RECORD DELETED		99999999999999999999999999999999
3	8003000	05	8E51020103-0		RECORD DELETED		99999999999999999999999999999999
3	8003000	05	8E57030301-2		RECORD DELETED		99999999999999999999999999999999
4	8003000	05	8E57030301-2	001	RECORD DELETED		1111111

NM 100 RI

NORTH CAROLINA DIVISION OF MARINE FISHERIES

PAGE 13

DATE 04/26/84

UPDATE ACTIVITY REPORT

REC. TYPE	SFO. NBR.	REP. NBR.	SPECIES CODE	LINE ABR.	UPDATE MESSAGE	ERROR MESSAGE	DATA FROM TRANSACTION
4	8101865	01	8F352C0101-0	CC1	NOT ADDED	RECORD CN FILE	002C071
4	8101865	01	8F352C0101-0	001	RECORD DELETED		1111111
4	8101865	01	8F352C0101-0	CC2	NOT ADDED	RECORD CN FILE	0010074
4	8101865	01	8F352C0101-0	CC2	RECORD DELETED		1111111
4	8101865	01	8F352C0101-0	CC3	NOT ACCED	RECORD CN FILE	001C040
4	8101865	01	8F352C0101-0	CC3	RECORD DELETED		1111111
4	8101865	01	8F352C0101-0	004	NOT ACCED	RECORD CN FILE	001C064
4	8101865	01	8F352C0101-0	004	RECORD DELETED		1111111
4	8101865	01	8F352C0101-0	005	NOT ADDED	RECORD CN FILE	0010050
4	8101865	01	8F352C0101-0	005	RECORD DELETED		1111111
4	8101868	01	8F58020101-0	CC1	RECORD CHANGED		0010038
4	8101884	01	8E35440401-0	003	RECORD CHANGED		001C122
3	8101905	01	6175110301-0		RECORD DELETED		99999999999999999999999999999999
4	8101905	01	6175110301-0	CC1	RECORD DELETED		1111111
4	8101905	01	6175110301-0	CC2	RECORD DELETED		1111111
4	8101905	01	6175110301-0	CC3	RECORD DELETED		1111111
4	8101905	01	6179110301-C	CC4	RECORD DELETED		1111111
4	8101905	01	6179110301-0	CC5	RECORD DELETED		1111111
3	8101905	01	6175110303-0		RECORD ADDED		000C99999999999999999999999999999999
4	8101905	01	6179110303-0	CC1	RECORD ADDED		001C024
4	81C1905	01	6175110303-0	CC2	RECORD ADDED		0010029
4	81C1905	01	6179110303-C	CC3	RECORD ADDED		0010031
4	81C1905	01	6179110303-0	CC4	RECORD ADDED		001C033
4	8101905	01	6179110303-0	CC5	RECORD ACCED		001C030
1	8101929				RECORD CHANGED		433E11268
2	8101929	00			RECORD ADDED		CC05C0000C N19
3	8101929	00	570C0C0CCC-0		RECORD ADDED		99999999999999999999999999999999

UPDATE ACTIVITY REPORT

REC. TYPE	SEC. NBR.	REP. NBR.	SPECIES CODE	LINE NBR.	UPDATE MESSAGE	ERROR MESSAGE	DATA FROM TRANSACTION	000
1	8459999				NOT CHANGED	RECCRD NOT CN FILE	999841010 0123212321	000
1	8459999				NOT CHANGED	RECCRD NOT CN FILE	999841010 0123212321	000
1	8459999				NOT CHANGED	RECCRD NOT CN FILE	999841010 0123212321	000
4	8459999	CC	0E35440401-0	001	NCT CHANGED	RECORD NOT CN FILE	001	

676,361 MASTER FILE RECCRS BEFORE UPDATE

4,337 RECCRS ADDED

80 RECCRS CHANGED

278 RECCRS CELETED

61 TOTAL TRANSACTIONS REJECTED

680,420 MASTER FILE RECCRS AFTER UPDATE

EDIT ERROR WARNING REPORT

REC TYPE	SEC. NBR.	REP. NBR.	SPECIES CODE	LINE NBR.	ERROR MESSAGE
3	7894666	01	6177C10102-0		SPECIES CODE 6177010102 NOT FOUND IN MFSPP
3	7894667	01	6177C10102-C		SPECIES CODE 6177010102 NOT FOUND IN MFSPP
3	7923338	01	6177C10102-C		SPECIES CODE 6177010102 NOT FOUND IN MFSPP
2	7903450	00			NUM.SPECIES RECCRS(11) NOT = REP.SPEC.OF 12
2	8002997	00			NUM.SPECIES RECCRS(08) NOT = REP.SPEC.OF 09
2	8002997	05			NUM.SPECIES RECCRS(01) NOT = REP.SPEC.OF 00
3	8101780	01	6177010103-0		SPECIES CODE 6177010103 NOT FOUND IN MFSPP
2	8101865	01			NUM.SPECIES RECCRS(15) NOT = REP.SPEC.OF 16
2	8101929	00			NUM.SPECIES RECCRS(06) NOT = REP.SPEC.OF 07
2	8101929	05			NUM.SPECIES RECCRS(01) NOT = REP.SPEC.OF 00
2	8101935	00			NUM.SPECIES RECCRS(05) NOT = REP.SPEC.OF 06
2	8101935	05			NUM.SPECIES RECCRS(02) NOT = REP.SPEC.OF 00
3	8333129	01	6177C20101-0		SPECIES CODE 6177020101 NOT FOUND IN MFSPP
1	8400019				GEAR TYPE 245 IS INVLD FOR PROGRAM NUMBER 434
1	8400020				GEAR TYPE 245 IS INVLD FOR PROGRAM NUMBER 434
3	8400022	01	8835250101-3		NUM. INDIV.REC(00094) NE SPEC SUBSAM. OF 00093
1	8400026				GEAR TYPE 245 IS INVLD FOR PROGRAM NUMBER 434
1	8400027				GEAR TYPE 245 IS INVLD FOR PROGRAM NUMBER 434
3	8400029	00	6177C10102-0		SPECIES CODE 6177010102 NOT FOUND IN MFSPP
3	8400029	01	8835440104-2		NUM. INDIV.REC(00080) NE SPEC SUBSAM. OF 00086
3	8400031	00	8835440101-C		NUM. INDIV.REC(00013) NE SPEC SUBSAM. OF 00009
2	8400031	00			NUM.SPECIES RECCRS(03) NOT = REP.SPEC.OF 04
1	8400032				NUM.REPLIC.RECORDS NOT = ENVIR.REPLICS OF 10
4	8400034	03	8835440101-C 001		THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
4	8400034	03	8835440101-C 002		THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
1	8400034				NUM.REPLIC.RECORDS NOT = ENVIR.REPLICS OF 06
3	8400040	00	6177C10102-C		SPECIES CODE 6177010102 NOT FOUND IN MFSPP

ECIT ERROR WARNING REPORT

REC TYPE	SEQ. NBR.	REP. NBR.	SPECIES CODE	LINE NBR.	ERROR MESSAGE
4	8400040	00	883544C701-C	001	THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
4	8400040	00	883544C701-C	002	THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
4	8400040	00	883544C701-C	003	THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
4	8400040	00	883544C701-C	004	THIS RECORD TYPE INVALID FOR SPECIES FCRRAT 0
4	8400040	00	883544C701-C	005	THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
4	8400040	00	883544C701-C	006	THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
4	8400040	00	883544C701-C	007	THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
4	8400040	00	883544C701-C	008	THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
4	8400040	00	883544C701-C	009	THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
4	8400040	00	883544C701-C	010	THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
4	8400040	00	883544C701-C	011	THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
4	8400040	00	883544C701-C	012	THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
4	8400040	00	883544C701-C	013	THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
4	8400040	00	883544C701-C	014	THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
4	8400040	00	883544C701-C	015	THIS RECORD TYPE INVALID FOR SPECIES FORMAT 0
2	8400154	03			NUM.SPECIES RECRDS(01) NOT = REP.SPEC.OF 02

N# 100 R3

NORTH CAROLINA DIVISION OF MARINE FISHERIES

PAGE 1

MASTER FILE STRUCTURAL ERROR REPORT

DATE 04/26/84

SEQUENCE NUMBER	REPLICATE NUMBER	SPECIES CODE	LINE NUMBER	MISSING ENVIR DATA	MISSING REPLIC DATA	MISSING SPECIES DATA	DUP TAG RECAPT	NON SEC TAG RECAPT	NON SEQ INDIV RECCRD	MISSING INDIV RECORD
7300524	01	8E35280901 0	002			X			X	
8101758	01	8E35440301 2	002			X			X	
8303166	00	8E35020305 2	015			X			X	
8303166	00	8E35C20305 2	016			X			X	
8303166	00	8E35C203C5 2	017			X				
8303166	00	8E35020305 2	018			X				
8303166	00	8E35020305 2	019			X				
8303166	00	8E35020305 2	020			X				

WARNING THIS VERSION OF SAS IS NOT SUPPORTED.
CONTACT YOUR LOCAL COMPUTING REPRESENTATIVE TO OBTAIN THE SUPPORTED VERSION OF SAS.

LISTING OF UPDATES FOR MARINE FISHERIES SPECIES DATA SYSTEM

1	2	3	4	5	6	7	8	9	0	1	2	3
D*80*0285*CI*WICROF	SALMCI*0*CCI*11111111	*	*	*	*	*	*	*	*	*	*	*
D*80*0287*CI*ETHEOS	FUSIFO*0*	*95555*559999	*99999*999999	*99999*999999	*99999*999999	*0*	*	*	*	*	*	*
0*6*80*0287*CI*ETHEOS	FUSIFO*0*001*11111111	*	*	*	*	*	*	*	*	*	*	*
*3*80*0287*CI*CHAETC	FAEER *0*	*00001*559999	*00001*555995	*00001*959999	*1*	*	*	*	*	*	*	*
*6*80*0287*CI*CHAETC	FABER *0*CCI* 1*	55*	*	*	*	*	*	*	*	*	*	*
D*3*80*0289*CI*CENTRC	STFIAT*0*	*95555*555999	*99555*999999	*99999*999999	*0*	*	*	*	*	*	*	*
D*6*80*0288*CI*CENTRC	STFIAT*0*001*11111111	*	*	*	*	*	*	*	*	*	*	*
D*3*80*0288*CI*ETHEOS	FUSIFO*0*	*55999*559999	*99999*999999	*99999*955999	*99999*0*	*	*	*	*	*	*	*
D*6*80*0288*CI*ETHEOS	FUSIFO*0*001*11111111	*	*	*	*	*	*	*	*	*	*	*
*3*80*0288*CI*ORTHOP	CHFYSO*0*	*00006*559999	*00006*555999	*00006*999999	*1*	*	*	*	*	*	*	*
*5*80*0288*CI*URTHOP	CHFYSO*0*CCI* 6*	IC5*	*	*	*	*	*	*	*	*	*	*
*3*80*0288*CI*CHAETC	FABER *0*	*00002*555559	*00002*999999	*00002*999999	*1*	*	*	*	*	*	*	*
*6*80*0288*CI*CHAETC	FAEER *0*001* 2*	65*	*	*	*	*	*	*	*	*	*	*
C*1*80*0299* 5*	*433*801125*	*	*000000000*	N*19*	*	*553*	*	*01.5*103*	*	*	*	*
*2*80*0299*CC*			*95555*555999	*06*								
*3*80*0299*CO*HOLLUS	CEPHAL*0*	*99999*555999	*99999*99555*999999	*99999*999999	*0*	*	*	*	*	*	*	*
*3*80*0299*CO*CYNOSC	NEEULO*0*	*95599*999999	*99999*999999	*99999*999999	*0*	*	*	*	*	*	*	*

WARNING THIS VERSION OF SAS IS NOT SUPPORTED.
CONTACT YOUR LOCAL COMPUTING REPRESENTATIVE TO OBTAIN THE SUPPORTED VERSION OF SAS.

LISTING OF UPDATES FOR MARINE FISHERIES SPECIES DATA SYSTEM

1	2	3	4	5	6	7	8	9	0	1	2	3
D*3*81*01844*01*ETHEDS	FUSIFD*0*	*99999*	55555	99999	55555	99999	99999	99999	99999	0*	*	*
D*6*81*01844*01*ETFEOS	FUSIFD*0*001*	11111	11111	11111	11111	11111	11111	11111	11111	*	*	*
*3*81*01844*01*CHAETO	FAER *0*	*C0C02*	55555	99999	00002	99999	00002	99999	99999	2*	*	*
*6*81*01844*01*CHAETO	FAER *0*001*	1*	23*	1*	27*	*	*	*	*	*	*	*
D*3*81*01847*01*ETHEDS	FUSIFD*0*	*55555*	55555	99999	99999	55555	99999	99999	99999	0*	*	*
D*6*81*01847*01*ETFEOS	FUSIFD*0*001*	11111	11111	11111	11111	11111	11111	11111	11111	*	*	*
*3*81*01847*01*CHAETO	FAER *0*	*0C0C6*	55555	99999	00006	99999	00006	99999	99999	2*	*	*
*6*81*01847*01*CHAETO	FAER *0*001*	2*	33*	1*	31*	1*	37*	2*	38*	*	*	*
*3*81*01865*01*ETFEOS	FUSIFD*0*	*C0C06*	55555	99999	00006	99999	00006	99999	99999	2*	*	*
D*3*81*01865*01*ETHEDS	FUSIFD*0*	*99999*	55555	99999	99999	55555	99999	99999	99999	0*	*	*
*6*81*01865*01*ETFEOS	FUSIFD*0*001*	2*	71*	1*	74*	1*	40*	1*	64*	1*	50*	*
D*6*81*01865*01*ETFEOS	FUSIFD*0*001*	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	*
C*6*81*01868*01*SYMPHC	PLAGIU*0*001*	28*	*	*	*	*	*	*	*	*	*	*
C*4*81*01884*01*LEI0ST	XANTHU*0*003*0C1*	122*	*	*	*	*	*	*	*	*	*	*
D*3*81*01905*01*PALAEM	INTERH*0*	*55555*	55555	99999	99999	55555	99999	99999	99999	99999	99999	0*
D*6*81*01905*01*PALAEM	INTERH*0*001*	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	*
*3*81*01905*01*PALAEM	PUCIC *0*	*0C0C5*	55555	99999	00005	55555	99999	00005	99999	99999	99999	2*

APPENDIX C-2a: LAYOUT OF ENVIRONMENTAL PRE-LOAD TABLE

Positions

Field Name

Table Key

1-3
4-13
14-18

PROGRAM
STARTING LOCATION
STATION

Data to be Stored

19-22
23-25
26-29
30-33
34-37
38
39
40
41
42
43-45
46
47-80

DURATION OR AREA
GEAR
GEAR PARM #1
GEAR PARM #2
GEAR PARM #3
RIG
TYPE OF TOW
SEDIMENT SIZE
BOTTOM COMPOSITION
BOTTOM PROFILE
DEPTH
ALTERATION STATE
Filler

APPENDIX C-2b: JCL TO COMPILE A REVISED ENVIRONMENTAL PRE-LOAD TABLE

```

//TS19P60C JOB ('P60.C2',TSO,
//          NM099),0002.EPPERLY,TIME=1,MSGCLASS=2,
//          NOTIFY=TS19P60,PRTY=9.
//***** NERTSO.TEAM19.DATA(ENVIRTAB) *****
//* THIS IS THE D.M.F. ENVIRONMENTAL DATA PRELOAD TABLE.
//* IT SHOULD SUBMITTED TO BE COPIED TO TAPE AFTER EACH UPDATE.
//* ENTRIES MUST BE IN SEQUENCE BY THE TABLE KEY COLUMNS 01 - 18.
//* THE FORMAT IS AS FOLLOWS:
//* COL.01 - 03 PROGRAM TYPE          ... -----
//*      04 - 08 STARTING LOCATION, LATITUDE . THIS IS THE
//*      09 - 13 STARTING LOCATION, LONGITUDE . TABLE KEY.
//*      14 - 18 STAT NUMBER          ... -----
//*      19 - 22 DURATION
//*      23 - 25 GEAR TYPE
//*      26 - 29 GEAR PARAMETER 1
//*      30 - 33 GEAR PARAMETER 2
//*      34 - 37 GEAR PARAMETER 3
//*      38 RIG
//*      39 TYPE OF TOW
//*      40 SEDIMENT SIZE
//*      41 BOTTOM COMPOSITION
//*      42 BOTTOM PROFILE
//*      43 - 45 DEPTH
//*      46 ALTERATION STATE
//*      47 - 80 *** LEAVE BLANK ***
//UNCAT EXEC PGM=IEFBR14
//DD      DD DSN=NER.NM.NM099-1,UNIT=DISK,DISP=(MOD,DELETE),
//          SPACE=(TRK,1)
//*
//ST1 EXEC PGM=CARDFILE
//STEPLIB DD DSN=ADM1.LINKLIB,DISP=SHR
//INPUT DD * PRELOAD TABLE DATA IS INSERTED AFTER THIS RECORD
12015000000000000001111222333344445555678890001
128150000000000000006666777888899990000123345556
//*
//OUTPUT DD DSN=NER.NM.NM099-1,UNIT=TAPE,DISP=(,CATLG,DELETE),
//          DCB=(RECFM=FB,LRECL=80,BLKSIZE=16000),LABEL=EXPDT=99001
//PRINT DD SYSOUT=A
//

```

PROGRAM

VALID GEAR CODES

438	118 410 412 420 424
450	500 570
460	150 530 550 554 570
470	110 111 574 575 740
500, 510	150 310 311 500 536 538 550 556 558 559 560
530	111
540	531 556 558
550	111 531 556 558
610	754 830
615	805
618	754
620	746
630	766
650	758
660	754 766 811 830
670	754
680	754 766
690	713 810
700	231 515 531 534 552 560
705	531 552
710	554 560 713 715
715	560
720	118 119 120 411 412 413 420 421 422 423 424 440 531 552 554 560 720 911 926 950
725	531 552
730	119 531 552
735	531 552
740	911 925 926
745	515
750	720
755	552
760	531 552 560 715 720
765	531 552 560
770	500
775	552

'000' and '999' valid GEAR codes for any program

APPENDIX C-3 ALLOWABLE ENTRIES FOR GEAR IN EACH PROGRAM

<u>PROGRAM</u>	<u>VALID GEAR CODES</u>
050	200 911
051	200 531 420 911 940
055	200 213 300 500 550 556
060	200 213 300 911
100	130 212 311 530 531 535 538 556 911
105	645
110	531 559
115	130 245 531 605
120	210 211 240 245 311 330 538 556 557 558 559
125	556
126	556
130	212 556
150	130 200 212 220 230 245 247 350 380 420 531 960
160	600 605 645
170, 180	130 200 220 240 245 250 351 352 353 532 550 552 570 574 835 911 920 925 926 950
175	115
300	130 220 230 245 250 320 420 531 940
320	550
330	130 220 245 250 420 531 550 556
340	531
350	130 311 352 353 530 556 570
400	130 200 220 222 230 232 240 242 245 247 250 320 340 352 400 420 421 422 500
410	130 200 220 230 245 247 250 320 340 352 380 420 421 422 500
420	130 200 220 222 232 352 420 500
421, 422	200
430, 440	117 130 200 415
431, 441	130
432, 442	130
433, 443	500 510 530 532 534 538 550 552 553 554 570 572
434, 444	200 220 222 240 242 245 250
435, 445	320 340
436, 446	574
437, 447	320 352 353

APPENDIX C-4.

COBOL update program

//TS02P05X JOB (*P05-C2*,TSO,NM1001,0002,FENNER,TIME=1,PTY=9,MSGCLASS=2,NOTIFY=TS02P05

*****ADMTSD,TEAM02,DATAPOS(NM1005UB)*****

*** COMPIL & LINK COBOL SOURCE (W/O DLI READ) FROM LIBRARY *****

//SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

1 2 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

3 3 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

4 4 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

5 5 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

6 6 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

7 7 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

8 8 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

9 9 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

10 10 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

11 11 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

12 12 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

13 13 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

14 14 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

15 15 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

16 16 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

17 17 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

18 18 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

19 19 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

20 20 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

21 21 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

22 22 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

23 23 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

24 24 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

25 25 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

26 26 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

27 27 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

28 28 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

29 29 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

30 30 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

31 31 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

32 32 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

33 33 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

34 34 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

35 35 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

36 36 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

37 37 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

38 38 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

39 39 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

40 40 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

41 41 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

42 42 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

43 43 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

44 44 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

45 45 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

46 46 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

47 47 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

48 48 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

49 49 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

50 50 //SYCLCCL EXEC PGM=LINK,PARM='DEPT=60,NJTA,RRJS'

00000107

00000200

00000300

00000403

00000500

00000600

00000706

00000800

00000900

00001006

00001100

00001200

00001300

00001400

00001500

00001600

00001700

00001806

00001906

00002006

00002106

00002206

00002300

00002400

00002500

00002605

00002700

00002800

00002900

00003000

00003100

00003200

00003300

00003400

00003500

00003600

00003700

00003805

00003900

00004000

00004100

00004200

00004300

00004406

00004500

00004602

Job ID	Job Name	Job Type	Job Status	Job Description	Job Class	Job Priority	Job Date	Job Time	Job User	Job Remarks
IEF2371	JES2	ALLOCATED TO UNUSERDR								
IEF2371	150	ALLOCATED TO WORKETLE								
IEF2371	634	ALLOCATED TO COBLIST								
IEF2371	JES2	ALLOCATED TO SYSJUMP								
IEF1421	TS02P05X	PG150	PGCLCL	STEP WAS EXECUTED - COND CODE 0000	OK	SYS	8840K			
IEF2851	PEP1	LINKLIB								
IEF2851	VOL SER NOS=	SCC62E								
IEF2851	VSYSCTLG	VSYSTEM								
IEF2851	VOL SER NOS=	SYSTEM								
IEF2851	JES2	J0800763	SD0106							
IEF2851	JES2	J0800763	SD0107							
IEF2851	JES2	J0800763	SD0108							
IEF2851	SVS84094	T104303	RA000	TS02P05X	R0000003					
IEF2851	VOL SER NOS=	SCC150								
IEF2851	SVS84094	T104303	RA000	TS02P05X	PRINT					
IEF2851	VOL SER NOS=	PUR002								
IEF2851	JES2	J0800763	SD0109							
IEF3731	STEP /PG150	/ START	84094.1044							
IEF3741	STEP /PG150	/ STOP	84094.1044							
IEF2361	ALLODC	FOR	TS02P05X	LK5D	P6LCCL					
IEF2371	140	ALLOCATED TO	SVSLIN							
IEF2371	DMY	ALLOCATED TO	SVSLIB							
IEF2371	330	ALLOCATED TO	SVSUTI							
IEF2371	150	ALLOCATED TO	SVSPRINT							
IEF2371	62F	ALLOCATED TO	SVSL400							
IEF2371	757	ALLOCATED TO	SVS00077							
IEF1421	TS02P05X	LKED	P6LCCL	STEP WAS EXECUTED - COND CODE 0000	OK	SYS	8840K			
IEF2851	SVS84094	T104303	RA000	TS02P05X	LOADSET					
IEF2851	VOL SER NOS=	SCC140								
IEF2851	SVS1	COBLIB								
IEF2851	VOL SER NOS=	SCC830								
IEF2851	SVS84094	T104303	PA000	TS02P05X	SVSUTI					
IEF2851	VOL SER NOS=	SCC150								
IEF2851	JES2	J0800763	SD0110							
IEF2851	MER1	LINKLIB								
IEF2851	VOL SER NOS=	SCC62F								
IEF2851	VSYSCTLG	VSYSTEM								
IEF2851	VOL SER NOS=	SYSTEM								
IEF3731	STEP /LKED	/ START	84094.1044							
IEF3741	STEP /LKED	-- / STOP	84094.1044							
IEF3751	JOB /TS02P05X	/ START	84094.1043							
IEF3761	JOB /TS02P05X	/ STOP	84094.1044							

MASTER FILE DEFAULTS FOR 'SYS1.SOURCE' ARE

NO ARCHIVING ALLOWED	NOBYP	GPO	SEP
PR	NOVAR	EXEC	NOLIST
NO PUNCH	BKUP INT=NONE	BVSI NOT SPECIFIED	BVSI2 NOT SPECIFIED
TAPEKUP SPECIFIED	COMPRESS=FULL	RESEQ	SECUPD=ALLOWED
SEQ=1,6,10,107	SECURITY INVKED	NO I/P EXIT REQUIRED	NO O/P EXIT REQUIRED

THE LIBRARIAN SOURCE MANAGEMENT SYSTEM IS LEASED FROM
 APPLIED DATA RESEARCH, INC., FOR THE EXCLUSIVE USE OF
 STATE OF NORTH CAROLINA
 ALL RIGHTS ARE RESERVED. USE OF THIS SOFTWARE PRODUCT
 BY UNAUTHORIZED PERSONS IS PROHIBITED.
 VERSION - 3.2
 RELEASE DATE - 01/13/83
 FOR CUSTOMER SUPPORT-DIAL -201-874-9000 TELEX 475420L

SUMMARY OF ACTIVITY

RUN NO. 58065 DATE=04/03/84 TIME=1043

-SEL FOR MODULE 'NM100X' WAS SUCCESSFUL. MODULE IS TO BE COMPILED.

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	

```

00001 000010 IDENTIFICATION-DIVISION.
00002 000020 PROGRAM-ID.
00003 000030 NM100.
00004 000040 AUTHOR.
00005 000050 DIANNE NICHOLAS, BRUCE GARNER, LARRY LEIS, & TEAM C.
00006 000060 DATE WRITTEN.
00007 000070 05/27/81.
00008 000080 DATE-COMPILED. APR 3,1984.
00009 000090 INSTALLATION.
00010 000100 SCC.
00011 000110 REMARKS. FILE CREATE AND UPDATE PROGRAM -
00012 000120* READS TRANS AND PROCESSES AGAINST OLD MASTER CREATING A NEW
00013 000130* MASTER, A LIST OF UPDATES TO THE MASTER AND REJECTED
00014 000140* TRANSACTIONS, A LIST OF EDIT WARNING MESSAGES AND
00015 000150* A LIST OF STRUCTURAL ERRORS.
00016 000160*****
00017 000170* CHANGED 04/82 TO ADD ENVIR-PRELOAD ROUTINES
00018 000180* CHANGED 02/83 TO ADD MFSP SPECIES VERIFICATION ROUTINE
00019 000190*****
00020 000200* NM100X - VUML
00021 000210*****
00022 000220-ENVIRONMENT DIVISION.
00023 000230 CONFIGURATION SECTION.
00024 000240 SOURCE-COMPUTER. IBM-370.
00025 000250 OBJECT-COMPUTER. IBM-370.
00026 000260 INPUT-OUTPUT SECTION.
00027 000270 FILE-CONTROL.
00028 000280 SELECT ENVIR-PRELOAD-FILE ASSIGN TO UT-S-NM09911.
00029 000290 SELECT OLD-MAST ASSIGN TO UT-S-NM10011.
00030 000300 SELECT TRANS-FILE ASSIGN TO UT-S-NM10091.
00031 000310 SELECT SORT-FILE ASSIGN TO UT-S-SORTWK01.
00032 000320 SELECT NEW-MAST ASSIGN TO UT-S-NM10010.
00033 000330 SELECT UPDATE-RPT ASSIGN TO UT-S-PRINTER1.
00034 000340 SELECT ERROR-RPT ASSIGN TO UT-S-PRINTER2.
00035 000350 SELECT STRUC-ERR-RPT ASSIGN TO UT-S-PRINTER3.
00036 000360 SELECT LATIN-FILE ASSIGN TO UT-S-LATIN.
00037 000370*
00038 000380 DATA DIVISION.
00039 000390 FILE SECTION.

```

```

00041 000410-FO ENVIR-PRELOAD-FILE
00042 000420 LABEL RECORDS ARE STANDARD
00043 000430 RECORDING MODE IS F
00044 000440 BLENK CONTAINS 0 RECORDS
00045 000450 RECORD CONTAINS 80 CHARACTERS.
00046 000460 01 ENVIR-PRELOAD-REC PIC X(80).

```

2 N4100 10.43.12 APR 3, 1984

INT NAME	BASE	DISP	RLOI	DEFINITION
00480000	DNM=6-406	DCB=02		
00490000				
00500000				
00510000				
00520000				
00530000	DNM=6-428	BL=2 000	0001	DS 150C

00550000	DNM=6-448	DCB=03		
00560000				
00570000				
00580000				
00590000				
00600000	DNM=6-472	BL=3 000	0001	DS 128C

00620000	DNM=7-000	DCB=04		
00630000				
00640000				
00650000				
00660000				
00670000	DNM=7-022	BL=4 000	0001	DS 150C

00690000	DNM=7-042	DCB=05		
00700000				
00710000				
00720000				
00730000				
00740000	DNM=7-066	BL=5 000	0001	DS 133C

00760000	DNM=7-088	DCB=06		
00770000				
00780000				
00790000				
00800000				
00810000	DNM=7-111	BL=6 000	0001	DS 133C

00830000	DNM=7-136	DCB=07		
00840000				
00850000				
00860000				
00870000				
00880000	DNM=7-166	BL=7 000	0001	DS 133C

0048

00048	000480-FD	OLD-MAST		
00049	000490	LABEL RECORDS ARE STANDARD		
00050	000500	RECORDING MODE IS F		
00051	000510	BLOCK CONTAINS 0 RECORDS		
00052	000520	RECORD CONTAINS 150 CHARACTERS		
00053	000530 01	OLDMAST-REC	PIC X(150).	

00055	000550-FD	TRANS-FILE		
00056	000560	LABEL RECORDS ARE STANDARD		
00057	000570	RECORDING MODE IS F		
00058	000580	BLOCK CONTAINS 0 RECORDS		
00059	000590	RECORD CONTAINS 128 CHARACTERS		
00060	000600 01	TRANS-REC	PIC X(128).	

00062	000620-FD	NEW-MAST		
00063	000630	LABEL RECORDS ARE STANDARD		
00064	000640	RECORDING MODE IS F		
00065	000650	BLOCK CONTAINS 0 RECORDS		
00066	000660	RECORD CONTAINS 150 CHARACTERS		
00067	000670 01	NEWMAST-REC	PIC X(150).	

00069	000690-FD	UPDATE-RPT		
00070	000700	LABEL RECORDS ARE OMITTED		
00071	000710	RECORDING MODE IS F		
00072	000720	BLOCK CONTAINS 0 RECORDS		
00073	000730	RECORD CONTAINS 133 CHARACTERS		
00074	000740 01	UPD-PRT-LINE	PIC X(133).	

00076	000760-FD	ERROR-RPT		
00077	000770	LABEL RECORDS ARE OMITTED		
00078	000780	RECORDING MODE IS F		
00079	000790	BLOCK CONTAINS 0 RECORDS		
00080	000800	RECORD CONTAINS 133 CHARACTERS		
00081	000810 01	ERR-PRT-LINE	PIC X(133).	

00083	000830-FD	STRUC-ERR-RPT		
00084	000840	LABEL RECORDS ARE OMITTED		
00085	000850	RECORDING MODE IS F		
00086	000860	BLOCK CONTAINS 0 RECORDS		
00087	000870	RECORD CONTAINS 133 CHARACTERS		
00088	000880 01	STRUC-PRT-LINE	PIC X(133).	

Address	Code	Description	INT NAME	BASE	DISP	RL01	DEFINITION
00106	001060	WORKING-STORAGE-SECTION.					
00107	001070	TURN-ON	DNM=7-353	BL=9	000	0001	DS IC
00108	001080	TURN-OFF	DNM=7-370	BL=9	001	0002	DS IC
00109	001090	ABEND-A	DNM=7-388	BL=9	002	0003	DS IC
00110	001100	CAUSE-ABEND	DNM=7-408	BL=9	002	0003	DS IC
00111	001110	R1-PAGE-CNT	DNM=7-429	BL=9	003	0004	DS 2P
00112	001120	R1-LINE-CNT	DNM=7-450	BL=9	005	0006	DS 2P
00113	001130	R2-PAGE-CNT	DNM=7-471	BL=9	007	0008	DS 2P
00114	001140	R2-LINE-CNT	DNM=8-000	BL=9	009	0010	DS 2P
00115	001150	R3-PAGE-CNT	DNM=8-021	BL=9	008	0012	DS 2P
00116	001160	R3-LINE-CNT	DNM=8-045	BL=9	000	0014	DS 2P
00117	001170	CHK	DNM=8-069	BL=9	00F	0016	DS IC
00118	001180	DASH	DNM=8-082	BL=9	010	0017	DS IC
00119	001190	WK-SUB	DNM=8-096	BL=9	012	0019	DS 1H
00120	001200	WK-SUB-2	DNM=8-112	BL=9	014	0021	DS 1H
00121	001210	WORK-LOCATION	DNM=8-133	BL=9	016	0023	DS 6P
00122	001220	WORK-CNT	DNM=8-156	BL=9	01C	0029	DS 3P
00123	001230	LATIN-SUBSCR	DNM=8-177	BL=9	01F	0032	DS 2C
00124	001240	TAG-SUBSCR	DNM=8-202	BL=9	021	0034	DS 2C
00125	001250	TAG-NUMBR-CNTR	DNM=8-222	BL=9	023	0036	DS 2C
00126	001260	LATIN-TOTAL	DNM=8-246	BL=9	025	0038	DS 2C
00127	001270	TEST-SUM	DNM=8-267	BL=9	027	0040	DS 4C
00128	001280	DATE-PROGRAM	DNM=8-285	BL=9	02B	0044	DS 8C

INT	NAME	BASE	DISP	RLO1	DEFINITION
00130	001300				PIC X (19)
00131	001310	01			VALUE 'SWITCHES START HERE'.
00132	001320				SWITCHES.
00133	001330	01			03 READ-MSTR-SW
00134	001340				03 READ-MSTR
00135	001350				03 READ-TRAM-SW
00136	001360				03 READ-TRAM
00137	001370				03 WRITE-RPTL-SW
00138	001380				03 WRITE-RPTL
00139	001390				03 WRITE-NEWSTR-SW
00140	001400				03 WRITE-NEWSTR
00141	001410				03 DUMMY-RD-SW
00142	001420				03 DUMMY-RD-DN
00143	001430				03 DUMMY-RD-OFF
00144	001440				03 EDIT-ERROR-SW
00145	001450				03 EDIT-ERROR
00146	001460				03 NO-EDIT-ERRORS
00147	001470				03 EDIT-REJECT-ERROR-SW
00148	001480				03 EDIT-REJECT-ERROR
00149	001490				03 STRUC-ERR-SW
00150	001500				03 STRUC-ERR
00151	001510				03 DETAIL-LINE-WRITTEN-SW
00152	001520				03 DETAIL-LINE-WRITTEN
00153	001530				03 CONF4-DATA-FOUND-SW
00154	001540				03 CONF4-DATA-FOUND
00155	001550				03 DECREASE-SW
00156	001560				03 NO-DECREASE
00157	001570				03 INVALID-GEAR-SW
00158	001580				03 INVALID-GEAR
00159	001590				03 INVALID-STATION-SW
00160	001600				03 INVALID-STATION
00161	001610				03 STATION-FOUND-SW
00162	001620				03 STATION-FOUND
00163	001630				03 STATION-NOT-FOUND
00164	001640				03 STATION-FOUND
00165	001650				03 END-OF-LIST-SW
00166	001660				03 END-OF-LIST
00167	001670				03 MASTER-ACTION-SW
00168	001680				03 MASTER-ACTION
00169	001690				03 MISSING-DISTANCE-SW
00170	001700				03 MISSING-DISTANCE
00171	001710				03 EOF-LATIN-SW
00172	001720				03 EOF-LATIN
00173	001730				03 TAG-MATCHED-SW
00174	001740				03 TAG-MATCHED
00175	001750	*			*****
00176	001760	*****			*****
00177	001770	*			***** ADDITIONAL SWITCH TO CORRECT EDIT ERROR PROBLEM FOR TAG
00178	001780	*			***** RECAPTURE RECORDS. BY EFF 03/23/84
00179	001790	*			*****
00180	001800				03 SPECIES-FOUND-SW
00181	001810				03 SPECIES-FOUND
00182	001820	*			*****
00183	001830	*			***** END OF ADDITION BY EFF

INT	NAME	BASE	DISP	RLO1	DEFINITION
00184	001840				*****
00185	001850				*****
00186	001860	01	TOT	COUNTERS.	
00187	001870		03	REC-REJECT-TOT	PIC 9(5) COMP-3 VALUE ZEROS.
00188	001880		03	NBR-RECS-ADDED	PIC 9(5) COMP-3 VALUE ZEROS.
00189	001890		03	NBR-RECS-CHG	PIC 9(5) COMP-3 VALUE ZEROS.
00190	001900		03	NBR-RECS-DEL	PIC 9(5) COMP-3 VALUE ZEROS.
00191	001910		03	NBR-BEFORE-UPDATE	PIC 9(7) COMP-3 VALUE ZEROS.
00192	001920		03	NBR-AFTER-UPDATE	PIC 9(7) COMP-3 VALUE ZEROS.
00193	001930				*****
00194	001940	01	SAVE	FIELDS.	
00195	001950		03	SAVE-NUM-REPS	PIC 9(2) VALUE ZEROS.
00196	001960		03	NUMB-REP-RECS	PIC 9(2) VALUE ZEROS.
00197	001970		03	SAVE-NUM-SPECIES	PIC 9(2) VALUE ZEROS.
00198	001980		03	NUMB-SPEC-RECS	PIC 9(2) VALUE ZEROS.
00199	001990		03	SAVE-SPEC-CODE	PIC X VALUE SPACE.
00200	002000		08	SPECIES-CODE-0	VALUE '0'.
00201	002010		08	SPECIES-CODE-1-OR-2	VALUE '1' '2'.
00202	002020		08	SPECIES-CODE-3	VALUE '3'.
00203	002030		08	SPECIES-CODE-4-OR-7	VALUE '4' '7'.
00204	002040		08	SPECIES-CODE-5	VALUE '5'.
00205	002050		08	SPECIES-CODE-6	VALUE '6'.
00206	002060		03	SAVE-NUM-SUBSAMPLS	PIC 9(5) VALUE ZEROS.
00207	002070		03	SAVE-INDIV-LTH	PIC 9(4) VALUE ZEROS.
00208	002080		03	OCCURRENCE-CODE-3	PIC 9(9) VALUE ZERO.
00209	002090		03	OCCURRENCE-CODE-6	PIC 9(9) VALUE ZERO.
00210	002100		03	NUMB-INDIV-RECS	PIC 9(5) VALUE ZEROS.
00211	002110		03	SAVE-TAG-NO	PIC 9(6) VALUE ZEROS.
00212	002120		03	COMP-LEN	PIC 9(3) VALUE ZEROS.
00213	002130		03	WK-DIF	PIC 9(3) VALUE ZEROS.
00214	002140		03	SDM-RECAPT-DATE	PIC 9(7) VALUE ZEROS.
00215	002150		03	SDM-ENVIR-DATE	PIC 9(7) VALUE ZEROS.
00216	002160		03	SDM-DATE-DIFF	PIC 9(7) VALUE ZEROS.
00217	002170		03	MINUS-1	PIC S9 VALUE -1.
00218	002180		03	LINE-NUMBER-CNTR	PIC 999.
00219	002190		03	SAVE-INDIV-AGE-STATUS	PIC X VALUE SPACE.
00220	002200		03	SAVE-TAG-RECAPT-TAG1	PIC X.
00221	002210		03	SAVE-TAG-RECAPT-TAG1-CNTR	PIC 9(5).
00222	002220		03	SAVE-TAG-RECAPT-TAG2	PIC X.
00223	002230		03	SAVE-TAG-RECAPT-TAG2-CNTR	VALUE SPACES.
00224	002240		03	SAVE-ENVIR	PIC X(100).
00225	002250		05	FILLER	PIC X(100).
00226	002260		05	SAVE-ENVIR-KEY	PIC X(100).
00227	002270		05	FILLER	PIC X(100).
00228	002280		05	SAVE-ENVIR-DATE	PIC X(100).
00229	002290		07	SAVE-ENVIR-YY	PIC XX.
00230	002300		07	SAVE-ENVIR-MM	PIC XX.
00231	002310		07	SAVE-ENVIR-DD	PIC XX.
00232	002320		05	SAVE-ENVIR-DATE-R REDEFINES SAVE-ENVIR-DATE.	
00233	002330		07	SAVE-ENVIR-YY-R	PIC 99.
00234	002340		07	SAVE-ENVIR-MM-R	PIC 99.
00235	002350		07	SAVE-ENVIR-DD-R	PIC 99.
00236	002360		05	FILLER	PIC X(117).
00237	002370		03	SAVE-REPLIC	VALUE SPACES.

INT	NAME	BASE	DISP	RLO1	DEFINITION
01750000					
01760000					
01770000					
01780000					
01790000					
01800000					
01810000					
01820000					
01830000					
01840000					
01850000					
01860000					
01870000					
01880000					
01890000					
01900000					
01910000					
01920000					
01930000					
01940000					
01950000					
01960000					
01970000					
01980000					
01990000					
02000000					
02010000					
02020000					
02030000					
02040000					
02050000					
02060000					
02070000					
02080000					
02090000					
02100000					
02110000					
02120000					
02130000					
02140000					
02150000					
02160000					
02170000					
02180000					
02190000					
02200000					
02210000					
02220000					
02230000					
02240000					
02250000					
02260000					
02270000					
02280000					
02290000					
02300000					
02310000					
02320000					
02330000					
02340000					
02350000					
02360000					
02370000					

7	NR100	10.43.12	APR 3, 1984	INT NAME	BASE	DISP	RLO1	DEFINITION
1	00238	002380		05 FILLER				PIC X(001).
2	00239	002390		05 SAVE-REPLIC-KEY				PIC X(009).
3	00240	002400		05 FILLER				PIC X(140).
4	00241	002410	03	SAVE-SPECIES				VALUE SPACES.
5	00242	002420		05 FILLER				PIC X(001).
6	00243	002430		05 SAVE-SPECIES-KEY				PIC X(020).
7	00244	002440		05 SAVE-SPECIES-KEY-R-REDEFINES				SAVE-SPECIES-KEY.
8	00245	002450		07 SAVE-SPE-SEQ-NMNR				PIC X(17).
9	00246	002460		07 FILLER				PIC X(113).
10	00247	002470		05 FILLER				PIC X(37).
11	00248	002480		05 SAVE-SPE-TAG1				PIC X.
12	00249	002490		05 SAVE-SPE-NUMBR-TAGGED1				PIC X(5).
13	00250	002500		05 SAVE-SPE-NUMBR-TAGGED1-R-REDEFINES				PIC X(113).
14	00251	002510		05 SAVE-SPE-NUMBR-TAGGED1				PIC 9(5).
15	00252	002520		05 SAVE-SPE-TAG2				PIC X.
16	00253	002530		05 SAVE-SPE-NUMBR-TAGGED2				PIC X(5).
17	00254	002540		05 SAVE-SPE-NUMBR-TAGGED2-R-REDEFINES				PIC X(113).
18	00255	002550		05 SAVE-SPE-NUMBR-TAGGED2				PIC 9(5).
19	00256	002560		05 FILLER				PIC X(80).
20	00257	002570	03	SAVE-INDIV.				PIC X.
21	00258	002580		05 FILLER				PIC X(20).
22	00259	002590		05 SAVE-INDIV-KEY				PIC X(3).
23	00260	002600		05 SAVE-INDIV-LINE				PIC X(40).
24	00261	002610		05 SAVE-INDIV-LINE-R-REDEFINES				SAVE-INDIV-LINE-INDIV-LINE PIC 999.
25	00262	002620		05 FILLER				PIC X.
26	00263	002630		05 SAVE-INDIV-AGE				PIC XX.
27	00264	002640		05 SAVE-INDIV-AGE-R-REDEFINES				SAVE-INDIV-AGE PIC 99.
28	00265	002650		05 SAVE-INDIV-SPAWN-MARK				PIC XX.
29	00266	002660		05 SAVE-INDIV-SPAWN-MARK-R-REDEFINES				PIC 99.
30	00267	002670		05 FILLER				PIC X(94).
31	00268	002680		03 SAVE-ANNULUS				PIC X.
32	00269	002690		05 FILLER				PIC X(20).
33	00270	002700		05 SAVE-ANNL-KEY				PIC XXX.
34	00271	002710		05 SAVE-ANNL-LINE				PIC X(98).
35	00272	002720		05 FILLER				PIC XX.
36	00273	002730		05 SAVE-ANNL-SPAWN-MARK				PIC X(26).
37	00274	002740		05 FILLER				PIC X.
38	00275	002750		03 SAVE-TAG-RECAPT.				PIC X.
39	00276	002760		05 FILLER				PIC X(20).
40	00277	002770		05 SAVE-TAG-RECAPT-LINE				VALUE SPACES.
41	00278	002780		05 FILLER				PIC X(3) VALUE SPACES.
42	00279	002790*		05 SAVE-TAG-RECAPT-LINE-R-REDEFINES				SAVE-TAG-RECAPT-LINE PIC 999.
43	00280	002800		05 FILLER				PIC X(120).
44	00281	002810		05 SAVE-TAG-RECAPT-LINE-R-REDEFINES				PIC X(120).
45	00282	002820		05 FILLER				PIC X(150).
46	00283	002830	03	ROLL-OUT-APEA				PIC X(150).
47	00284	002840		05 FILLER				PIC X(150).
48	00285	002850		05 CURR-KEY				PIC X(150).
49	00286	002860		05 CURR-KEY				PIC X(150).
50	00287	002870		05 CURR-KEY				PIC X(150).
51	00288	002880		05 CURR-KEY				PIC X(150).
52	00289	002890		05 CURR-KEY				PIC X(150).
53	00290	002900		05 CURR-KEY				PIC X(150).
54	00291	002910		05 CURR-KEY				PIC X(150).

8 NW100 10.43.12 APR 3,1984

INT NAME	BASE	DISP	RLOI	DEFINITION
00292	002920	05 FILLER		
00293	002930	03 DEC-CNT		PIC X(103).
00294	002940	03 DEC-CHECK-FLD.		PIC S99 COMP-3.
00295	002950	05 DEC-CK-1		PIC X.
00296	002960	05 DEC-CK-2		PIC X.
00297	002970	05 DEC-CK-3		PIC X.
00298	002980	05 DEC-CK-4		PIC X.
00299	002990*			
00300	003000	01 DUP-RECORD-DESC.		
00301	003010	03 DUP-INDIV-REC6-ENTRIES.		
00302	003020	05 DUP-INDIV-ENTRY6 OCCURS 14 TIMES.		
00303	003030	07 DUP-INDIV-CNT6		PIC X(43).
00304	003040	05 FILLER		PIC X(45).
00305	003050	03 DUP-INDIV-REC7-ENTRIES REDEFINES DUP-INDIV-REC6-ENTRIES.		
00306	003060	05 DUP-INDIV-ENTRY7 OCCURS 11 TIMES.		
00307	003070	07 DUP-INDIV-CNT7		PIC X(43).
00308	003080	07 DUP-INDIV-LTH7		PIC X(41).
00309	003090	07 DUP-INDIV-SEX7		PIC X(1).
00310	003100	05 FILLER		PIC X(4).
00311	003110			
00312	003120			
00313	003130*			

INT NAME	BASE	DISP	RLOI	DEFINITION
DNM=15-431	BL=9	4FF	1152	DS 3C
DNM=15-445	BL=9	502	1155	DS 2P
DNM=15-462	BL=9	504	1157	DS OCL4
DNM=15-491	BL=9	504	1157	DS IC
DNM=16-000	BL=9	505	1158	DS IC
DNM=16-021	BL=9	506	1159	DS IC
DNM=16-042	BL=9	507	1160	DS IC
DNM=16-060	BL=9	508	0001	DS OCL103
DNM=16-088	BL=9	508	0001	DS OCL103
DNM=16-123	BL=9	508	0001	DS OCL7
DNM=16-152	BL=9	508	0001	DS 3C
DNM=16-179	BL=9	508	0004	DS 4C
DNM=16-209	BL=9	564	0099	DS 5C
DNM=16-223	BL=9	508	0001	DS OCL103
DNM=16-258	BL=9	508	0001	DS OCL9
DNM=16-287	BL=9	508	0001	DS 3C
DNM=16-314	BL=9	508	0004	DS 4C
DNM=16-341	BL=9	50F	0008	DS IC
DNM=16-371	BL=9	510	0009	DS IC
DNM=16-401	BL=9	568	0100	DS 4C
02810000				
02820000				
02830000				
02840000				
02850000				
02860000				
02870000				
02880000				
02890000				
02900000				
02910000				
02920000				
02930000				
02940000				
02950000				
02960000				
02970000				
02980000				
02990000				
03000000				
03010000				
03020000				

INT NAME	BASE	DISP	RL01	DEFINITION
00315	003150	01	00	03040000
00316	003160	01	00	03050000
00317	003170	01	00	03060000
00318	003180	01	00	03070000
00319	003190	01	00	03080000
00320	003200	01	00	03090000
00321	003210	05	FILLER	03100000
00322	003220	05	FILLER	03110000
00323	003230	05	FILLER	03120000
00324	003240	05	FILLER	03130000
00325	003250	05	FILLER	03140000
00326	003260	05	FILLER	03150000
00327	003270	05	FILLER	03160000
00328	003280	05	FILLER	03170000
00329	003290	05	FILLER	03180000
00330	003300	03	REPORT1-HEAD2	03190000
00331	003310	05	FILLER	03200000
00332	003320	05	FILLER	03210000
00333	003330	05	FILLER	03220000
00334	003340	05	FILLER	03230000
00335	003350	05	FILLER	03240000
00336	003360	05	FILLER	03250000
00337	003370	05	FILLER	03260000
00338	003380	05	FILLER	03270000
00339	003390	03	REPORT1-COL-HEAD1	03280000
00340	003400	05	FILLER	03290000
00341	003410	05	FILLER	03300000
00342	003420	05	FILLER	03310000
00343	003430	05	FILLER	03320000
00344	003440	05	FILLER	03330000
00345	003450	05	FILLER	03340000
00346	003460	05	FILLER	03350000
00347	003470	05	FILLER	03360000
00348	003480	05	FILLER	03370000
00349	003490	05	FILLER	03380000
00350	003500	05	FILLER	03390000
00351	003510	05	FILLER	03400000
00352	003520	03	REPORT1-COL-HEAD2	03410000
00353	003530	05	FILLER	03420000
00354	003540	05	FILLER	03430000
00355	003550	05	FILLER	03440000
00356	003560	05	FILLER	03450000
00357	003570	05	FILLER	03460000
00358	003580	05	FILLER	03470000
00359	003590	05	FILLER	03480000
00360	003600	05	FILLER	03490000
00361	003610	05	FILLER	03500000
00362	003620	05	FILLER	03510000
00363	003630	05	FILLER	03520000
00364	003640	05	FILLER	03530000
00365	003650	05	FILLER	03540000
00366	003660	05	FILLER	03550000
00367	003670	03	REPORT1-DETAIL-LINE	03560000
00368	003680	05	FILLER	03570000

DNM=16-415 BL=9 570 0001 DS OCL1477
 DNM=16-443 BL=9 570 0001 DS OCL133
 DNM=16-669 BL=9 570 0001 DS 1C
 DNM=16-483 BL=9 571 0002 DS 9C
 DNM=16-497 BL=9 571 0011 DS 34C
 DNM=17-000 BL=9 59C 0045 DS 43C
 DNM=17-014 BL=9 5C7 0088 DS 30C
 DNM=17-028 BL=9 5E9 0118 DS 5C
 DNM=17-042 BL=9 5EA 0123 DS 4C
 DNM=17-072 BL=9 5EE 0127 DS 7C
 DNM=17-086 BL=9 5E5 0134 DS OCL133
 DNM=17-115 BL=9 5F5 0134 DS 53C
 DNM=17-129 BL=9 62A 0187 DS 22C
 DNM=17-143 BL=9 640 0209 DS 42C
 DNM=17-157 BL=9 66A 0251 DS 5C
 DNM=17-171 BL=9 66F 0256 DS 8C
 DNM=17-192 BL=9 677 0264 DS 3C
 DNM=17-206 BL=9 67A 0267 DS OCL133
 DNM=17-239 BL=9 67A 0267 DS 1C
 DNM=17-253 BL=9 67B 0268 DS 21C
 DNM=17-267 BL=9 690 0289 DS 5C
 DNM=17-281 BL=9 695 0294 DS 18C
 DNM=17-295 BL=9 6A7 0312 DS 8C
 DNM=17-309 BL=9 6AF 0320 DS 6C
 DNM=17-323 BL=9 6B5 0326 DS 12C
 DNM=17-337 BL=9 6C1 0338 DS 5C
 DNM=17-351 BL=9 6C6 0343 DS 57C
 DNM=17-365 BL=9 6FF 0400 DS OCL133
 DNM=17-398 BL=9 6FF 0400 DS 1C
 DNM=17-412 BL=9 700 0401 DS 21C
 DNM=17-426 BL=9 715 0422 DS 6C
 DNM=17-440 BL=9 71B 0428 DS 17C
 DNM=17-454 BL=9 72C 0445 DS 8C
 DNM=17-468 BL=9 734 0453 DS 7C
 DNM=17-482 BL=9 73B 0460 DS 11C
 DNM=17-496 BL=9 746 0471 DS 7C
 DNM=18-000 BL=9 74D 0478 DS 10C
 DNM=18-014 BL=9 757 0488 DS 45C
 DNM=18-028 BL=9 784 0533 DS OCL133

INT NAME	BASE	DISP	RLO1	DEFINITION
00369	003690	05	FILLER	PIC X(02) VALUE SPACES.
00370	003700	05	RPT1-REC-TYPE	PIC X.
00371	003710	05	FILLER	PIC X(4) VALUE SPACES.
00372	003720	05	RPT1-SEQ-NBR	PIC X(7).
00373	003730	05	FILLER	PIC X(5) VALUE SPACES.
00374	003740	05	RPT1-REP-NBR	PIC X(2).
00375	003750	05	FILLER	PIC X(5) VALUE SPACES.
00376	003760	05	RPT1-SPECIES-CODE	PIC X(10).
00377	003770	05	RPT1-DASH	PIC X.
00378	003780	05	RPT1-SPECIES-STATUS	PIC X(3) VALUE SPACES.
00379	003790	05	FILLER	PIC X(13) VALUE SPACES.
00380	003800	05	RPT1-LINE-NBR	PIC X(3).
00381	003810	05	FILLER	PIC X(5) VALUE SPACES.
00382	003820	05	RPT1-MESSAGE	PIC X(14).
00383	003830	05	FILLER	PIC X(5) VALUE SPACES.
00384	003840	05	RPT1-ERROR	PIC X(19).
00385	003850	05	FILLER	PIC X(01) VALUE SPACES.
00386	003860	05	RPT1-DATA	PIC X(45).
00387	003870	03	REPORT1-TOTAL-LINE1.	
00388	003880	05	FILLER	PIC X(11) VALUE SPACES.
00389	003890	05	RPT1-NBR-BEFORE-UPD	PIC Z,Z7,Z79 VALUE ZERO.
00390	003900	05	FILLER	PIC X(35) VALUE
00391	003910	05	FILLER	PIC X(91) VALUE SPACES.
00392	003920	05	FILLER	PIC X(14) VALUE SPACES.
00393	003930	05	RPT1-NBR-RECS-ADDED	PIC Z,Z7,Z79 VALUE ZERO.
00394	003940	05	FILLER	PIC X(30) VALUE
00395	003950	05	FILLER	PIC X(95) VALUE SPACES.
00396	003960	05	RPT1-NBR-RECS-CHG	PIC Z,Z7,Z79 VALUE ZERO.
00397	003970	05	FILLER	PIC X(30) VALUE
00398	003980	05	FILLER	PIC X(95) VALUE SPACES.
00399	003990	05	RPT1-TOTAL-LINE3.	
00400	004000	05	FILLER	PIC X(4) VALUE SPACES.
00401	004010	05	RPT1-NBR-RECS-CHG	PIC Z,Z7,Z79 VALUE ZERO.
00402	004020	05	FILLER	PIC X(30) VALUE
00403	004030	05	FILLER	PIC X(95) VALUE SPACES.
00404	004040	05	RPT1-TOTAL-LINE4.	
00405	004050	05	FILLER	PIC X(4) VALUE SPACES.
00406	004060	05	RPT1-NBR-RECS-DEL	PIC Z,Z7,Z79 VALUE ZERO.
00407	004070	05	FILLER	PIC X(30) VALUE
00408	004080	05	RPT1-NBR-RECS-DEL	PIC Z,Z7,Z79 VALUE ZERO.
00409	004090	05	FILLER	PIC X(30) VALUE
00410	004100	05	RPT1-TOTAL-LINE5.	
00411	004110	05	FILLER	PIC X(4) VALUE SPACES.
00412	004120	05	RPT1-NBR-AFTER-UPD	PIC Z,Z7,Z79 VALUE ZERO.
00413	004130	05	FILLER	PIC X(30) VALUE
00414	004140	05	RPT1-REJECT-TOT	PIC Z,Z7,Z79 VALUE ZERO.
00415	004150	05	FILLER	PIC X(30) VALUE
00416	004160	05	RPT1-TOTAL-LINE6.	
00417	004170	05	FILLER	PIC X(95) VALUE SPACES.
00418	004180	05	RPT1-NBR-AFTER-UPD	PIC Z,Z7,Z79 VALUE ZERO.
00419	004190	05	FILLER	PIC X(30) VALUE
00420	004200	05	RPT1-NBR-AFTER-UPD	PIC Z,Z7,Z79 VALUE ZERO.
00421	004210	05	FILLER	PIC X(35) VALUE
00422	004220	05	RPT1-TOTAL-LINE7.	

03580000 DNM=18-063 BL=9 784 0533 DS 2C
03590000 DNM=18-077 BL=9 786 0535 DS 1C
03600000 DNM=18-100 BL=9 787 0536 DS 4C
03610000 DNM=18-114 BL=9 788 0540 DS 7C
03620000 DNM=18-136 BL=9 792 0547 DS 5C
03630000 DNM=18-150 BL=9 797 0552 DS 2C
03640000 DNM=18-172 BL=9 799 0554 DS 5C
03650000 DNM=18-186 BL=9 79E 0559 DS 10C
03660000 DNM=18-213 BL=9 7A9 0569 DS 1C
03670000 DNM=18-232 BL=9 7A9 0570 DS 1C
03680000 DNM=18-261 BL=9 7AA 0571 DS 3C
03690000 DNM=18-275 BL=9 7AD 0574 DS 3C
03700000 DNM=18-298 BL=9 780 0577 DS 5C
03710000 DNM=18-312 BL=9 785 0582 DS 14C
03720000 DNM=18-337 BL=9 7C3 0596 DS 5C
03730000 DNM=18-351 BL=9 7C8 0601 DS 19C
03740000 DNM=18-371 BL=9 70B 0620 DS 1C
03750000 DNM=18-385 BL=9 70C 0621 DS 45C
03760000 DNM=18-404 BL=9 809 0666 DS 0CL136
03780000 DNM=18-436 BL=9 809 0666 DS 1C
03790000 DNM=18-450 BL=9 80A 0667 DS 9C
03800000 DNM=18-496 BL=9 813 0676 DS 35C
03810000 DNM=19-000 BL=9 836 0711 DS 91C
03820000 DNM=19-014 BL=9 891 0802 DS 0CL135
03830000 DNM=19-046 BL=9 891 0802 DS 4C
03840000 DNM=19-060 BL=9 895 0806 DS 6C
03860000 DNM=19-099 BL=9 898 0812 DS 30C
03870000 DNM=19-113 BL=9 889 0842 DS 95C
03880000 DNM=19-127 BL=9 918 0937 DS 0CL135
03890000 DNM=19-162 BL=9 918 0937 DS 4C
03900000 DNM=19-176 BL=9 91C 0941 DS 6C
03910000 DNM=19-216 BL=9 922 0947 DS 30C
03920000 DNM=19-230 BL=9 940 0977 DS 95C
03930000 DNM=19-244 BL=9 99F 1072 DS 0CL135
03940000 DNM=19-276 BL=9 99F 1072 DS 4C
03950000 DNM=19-290 BL=9 9A3 1076 DS 6C
03960000 DNM=19-327 BL=9 9A9 1082 DS 30C
03970000 DNM=19-341 BL=9 9C7 1112 DS 95C
03980000 DNM=19-355 BL=9 A26 1207 DS 0CL135
03990000 DNM=19-387 BL=9 A26 1207 DS 4C
04000000 DNM=19-401 BL=9 A2A 1211 DS 6C
04010000 DNM=19-439 BL=9 A30 1217 DS 30C
04020000 DNM=19-453 BL=9 A4E 1247 DS 95C
04030000 DNM=19-467 BL=9 AAD 1342 DS 0CL136
04040000 DNM=20-000 BL=9 AAD 1342 DS 1C
04050000 DNM=20-014 BL=9 AAE 1343 DS 9C
04060000 DNM=20-059 BL=9 AB7 1352 DS 35C
04070000
04080000
04090000
04100000
04110000

12 NW100 10-43-12 APR 3, 1984

INT NAME BASE DISP RLOI DEFINITION

LINE	INT NAME	BASE	DISP	RLOI	DEFINITION	
1	00425	004250	*	*	03 REPORT-LINES?	
2	00426	004260	*	*	03 REPORT2-HEAD1.	
3	00427	004270	*	*	05 FILLER	
4	00428	004280	*	*	05 FILLER	
5	00429	004290	01	REPORT-LINES?		
6	00430	004300	03	REPORT2-HEAD1.		
7	00431	004310	05	FILLER	PIC X(1) VALUE SPACES.	
8	00432	004320	05	FILLER	PIC X(19) VALUE *NM 100 R2*.	
9	00433	004330	05	FILLER	PIC X(124) VALUE SPACES.	
10	00434	004340	05	FILLER	PIC X(43) VALUE	
11	00435	004350	05	FILLER	*NORTH CAROLINA DIVISION OF MARINE FISHERIES*.	
12	00436	004360	05	FILLER	PIC X(40) VALUE SPACES.	
13	00437	004370	05	FILLER	PIC X(15) VALUE *PAGE *.	
14	00438	004380	05	R2-PAGE-NO	PIC Z(79).	
15	00439	004390	05	FILLER	PIC X(17) VALUE SPACES.	
16	00440	004400	03	REPORT2-HEAD2.		
17	00441	004410	05	FILLER	PIC X(43) VALUE SPACES.	
18	00442	004420	05	FILLER	PIC X(125) VALUE	
19	00443	004430	05	FILLER	*EDIT ERROR WARNING REPORT*.	
20	00444	004440	05	FILLER	PIC X(49) VALUE SPACES.	
21	00445	004450	05	FILLER	PIC X(15) VALUE *DATE *.	
22	00446	004460	05	R2-RUN-DATE	PIC X(8).	
23	00447	004470	05	FILLER	PIC X(13) VALUE SPACES.	
24	00448	004480	05	FILLER		
25	00449	004490	03	REPORT2-COL-HEAD1.		
26	00450	004500	05	FILLER	PIC X(10) VALUE SPACES.	
27	00451	004510	05	FILLER	PIC X(12)	
28	00452	004520	05	VALUE *REC	SEQ*.	
29	00453	004530	05	FILLER	PIC X(15) VALUE SPACES.	
30	00454	004540	05	FILLER	PIC X(116)	
31	00455	004550	05	FILLER	VALUE *REP.	
32	00456	004560	05	FILLER	PIC X(17) VALUE SPACES.	
33	00457	004570	05	FILLER	PIC X(13)	
34	00458	004580	05	FILLER	*.	
35	00459	004590	05	FILLER	PIC X(14) VALUE SPACES.	
36	00460	004600	05	FILLER	PIC X(16) VALUE *ERROR*.	
37	00461	004610	05	FILLER	PIC X(49) VALUE SPACES.	
38	00462	004620	05	FILLER		
39	00463	004630	03	REPORT2-COL-HEAD2.		
40	00464	004640	05	FILLER	PIC X(10) VALUE SPACES.	
41	00465	004650	05	FILLER	PIC X(12)	
42	00466	004660	05	FILLER	VALUE *TYPE	NBR*.
43	00467	004670	05	FILLER	PIC X(15) VALUE SPACES.	
44	00468	004680	05	FILLER	PIC X(16)	
45	00469	004690	05	FILLER	CODE	
46	00470	004700	05	FILLER	VALUE *NBR.	
47	00471	004710	05	FILLER	PIC X(7) VALUE SPACES.	
48	00472	004720	05	FILLER	PIC X(13)	
49	00473	004730	05	FILLER	VALUE *NBR.	
50	00474	004740	05	FILLER	PIC X(14) VALUE SPACES.	
51	00475	004750	05	FILLER	PIC X(8) VALUE *MESSAGE*.	
52	00476	004760	05	FILLER	PIC X(48) VALUE SPACES.	
53	00477	004770	03	REPORT2-DETAIL-LINE.		
54	00478	004780				

LINE	INT NAME	BASE	DISP	RLOI	DEFINITION
55	04140000				
56	04150000				
57	04160000				
58	04170000				
59	04180000	BL=9	B38	0001	DS OCL1797
60	04190000	BL=9	B38	0001	DS OCL133
61	04200000	BL=9	B38	0001	DS IC
62	04210000	BL=9	B39	0002	DS 9C
63	04220000	BL=9	B42	0011	DS 24C
64	04230000	BL=9	B5A	0035	DS 43C
65	04240000				
66	04250000	BL=9	B85	0078	DS 40C
67	04260000	BL=9	BAD	0118	DS 5C
68	04270000	BL=9	B82	0123	DS 4C
69	04280000	BL=9	B86	0127	DS 7C
70	04290000				
71	04300000	BL=9	B8D	0134	DS OCL133
72	04310000	BL=9	B8D	0134	DS 43C
73	04320000	BL=9	B8E	0177	DS 25C
74	04330000				
75	04340000	BL=9	C01	0202	DS 49C
76	04350000	BL=9	C32	0251	DS 5C
77	04360000	BL=9	C37	0256	DS 8C
78	04370000	BL=9	C3F	0264	DS 3C
79	04380000				
80	04390000	BL=9	C42	0267	DS OCL132
81	04400000	BL=9	C42	0267	DS 10C
82	04410000	BL=9	C4C	0277	DS 12C
83	04420000				
84	04430000	BL=9	C58	0289	DS 5C
85	04440000	BL=9	C5D	0294	DS 16C
86	04450000				
87	04460000	BL=9	C6D	0310	DS 7C
88	04470000	BL=9	C74	0317	DS 13C
89	04480000				
90	04490000	BL=9	C81	0330	DS 14C
91	04500000	BL=9	C8F	0344	DS 6C
92	04510000	BL=9	C95	0350	DS 49C
93	04520000				
94	04530000	BL=9	CC6	0399	DS OCL133
95	04540000	BL=9	CC6	0399	DS 10C
96	04550000	BL=9	CD0	0409	DS 12C
97	04560000				
98	04570000	BL=9	CE1	0421	DS 5C
99	04580000	BL=9	CE1	0426	DS 16C
100	04590000				
101	04600000	BL=9	CF1	0442	DS 7C
102	04610000	BL=9	CF8	0449	DS 13C
103	04620000				
104	04630000	BL=9	D05	0462	DS 14C
105	04640000	BL=9	D13	0476	DS 8C
106	04650000	BL=9	D18	0484	DS 48C
107	04660000				
108	04670000	BL=9	D48	0532	DS OCL133
109	04680000				
110	04690000				

13 NW100 10-43.12 APR 3, 1984

INT NAME	BASE	DISP	RLOI	DEFINITION
00479	004790	05	FILLER	PIC X(11) VALUE SPACES.
00480	004800	05	RPT2-REC-TYPE	PIC X(4) VALUE SPACES.
00481	004810	05	FILLER	PIC X(7) VALUE SPACES.
00482	004820	05	RPT2-SEQ-NBR	PIC X(2) VALUE SPACES.
00483	004830	05	FILLER	PIC X(5) VALUE SPACES.
00484	004840	05	RPT2-REP-NBR	PIC X(2) VALUE SPACES.
00485	004850	05	FILLER	PIC X(5) VALUE SPACES.
00486	004860	05	RPT2-SPECIES-CODE	PIC X(10) VALUE SPACES.
00487	004870	05	RPT2-DASH	PIC X VALUE SPACE.
00488	004880	05	RPT2-SPECIES-STATUS	PIC X(3) VALUE SPACES.
00489	004890	05	FILLER	PIC X(3) VALUE SPACES.
00490	004900	05	RPT2-LINE-NBR	PIC X(7) VALUE SPACES.
00491	004910	05	FILLER	PIC X(45) VALUE SPACES.
00492	004920	05	RPT2-ERR-MSG	PIC X(28) VALUE SPACES.
00493	004930	05	FILLER	
00494	004940*	03	RPT2-DETAIL-LINE2	
00495	004950	05	FILLER	
00496	004960	05	LINE2-ERR-MSG	
00497	004970	05	FILLER	
00498	004980	05	FILLER	

INT NAME	BASE	DISP	RLOI	DEFINITION
DNM=21-236	BL=9	048	0532	DS 11C
DNM=21-250	BL=9	056	0543	DS 1C
DNM=21-273	BL=9	057	0544	DS 4C
DNM=21-287	BL=9	058	0548	DS 7C
DNM=21-309	BL=9	062	0555	DS 5C
DNM=21-323	BL=9	067	0560	DS 2C
DNM=21-348	BL=9	069	0562	DS 5C
DNM=21-362	BL=9	06E	0567	DS 10C
DNM=21-392	BL=9	078	0577	DS 1C
DNM=21-411	BL=9	079	0578	DS 1C
DNM=21-440	BL=9	07A	0579	DS 3C
DNM=21-454	BL=9	070	0582	DS 3C
DNM=21-480	BL=9	080	0585	DS 7C
DNM=22-000	BL=9	087	0592	DS 45C
DNM=22-025	BL=9	084	0637	DS 28C
DNM=22-039	BL=9	0D0	0665	DS 0CL133
DNM=22-072	BL=9	DD0	0665	DS 60C
DNM=22-086	BL=9	E0C	0725	DS 45C
DNM=22-112	BL=9	E39	0770	DS 28C

INT	NAME	BASE	DISP	RLO1	DEFINITION
0490	00500				04900000
0491	00501				04910000
0492	00502				04920000
0493	00503				04930000
0494	00504				04940000
0495	00505				04950000
0496	00506				04960000
0497	00507				04970000
0498	00508				04980000
0499	00509				04990000
0500	00510				05000000
0501	00511				05010000
0502	00512				05020000
0503	00513				05030000
0504	00514				05040000
0505	00515				05050000
0506	00516				05060000
0507	00517				05070000
0508	00518				05080000
0509	00519				05090000
0510	00520				05100000
0511	00521				05110000
0512	00522				05120000
0513	00523				05130000
0514	00524				05140000
0515	00525				05150000
0516	00526				05160000
0517	00527				05170000
0518	00528				05180000
0519	00529				05190000
0520	00530				05200000
0521	00531				05210000
0522	00532				05220000
0523	00533				05230000
0524	00534				05240000
0525	00535				05250000
0526	00536				05260000
0527	00537				05270000
0528	00538				05280000
0529	00539				05290000
0530	00540				05300000
0531	00541				05310000
0532	00542				05320000
0533	00543				05330000
0534	00544				05340000
0535	00545				05350000
0536	00546				05360000
0537	00547				05370000
0538	00548				05380000
0539	00549				05390000
0540	00550				05400000
0541	00551				05410000
0542	00552				05420000
0543	00553				05430000
0544	00554				05440000
0545	00555				05450000
0546	00556				05460000
0547	00557				05470000
0548	00558				05480000
0549	00559				05490000
0550	00560				05500000
0551	00561				05510000
0552	00562				05520000
0553	00563				05530000
0554	00564				05540000
0555	00565				05550000
0556	00566				05560000
0557	00567				05570000
0558	00568				05580000
0559	00569				05590000
0560	00570				05600000
0561	00571				05610000
0562	00572				05620000
0563	00573				05630000
0564	00574				05640000
0565	00575				05650000
0566	00576				05660000
0567	00577				05670000
0568	00578				05680000
0569	00579				05690000
0570	00580				05700000
0571	00581				05710000
0572	00582				05720000
0573	00583				05730000
0574	00584				05740000
0575	00585				05750000
0576	00586				05760000
0577	00587				05770000
0578	00588				05780000
0579	00589				05790000
0580	00590				05800000
0581	00591				05810000
0582	00592				05820000
0583	00593				05830000
0584	00594				05840000
0585	00595				05850000
0586	00596				05860000
0587	00597				05870000
0588	00598				05880000
0589	00599				05890000
0590	00600				05900000
0591	00601				05910000
0592	00602				05920000
0593	00603				05930000
0594	00604				05940000
0595	00605				05950000
0596	00606				05960000
0597	00607				05970000
0598	00608				05980000
0599	00609				05990000
0600	00610				06000000
0601	00611				06010000
0602	00612				06020000
0603	00613				06030000
0604	00614				06040000
0605	00615				06050000
0606	00616				06060000
0607	00617				06070000
0608	00618				06080000
0609	00619				06090000
0610	00620				06100000
0611	00621				06110000
0612	00622				06120000
0613	00623				06130000
0614	00624				06140000
0615	00625				06150000
0616	00626				06160000
0617	00627				06170000
0618	00628				06180000
0619	00629				06190000
0620	00630				06200000
0621	00631				06210000
0622	00632				06220000
0623	00633				06230000
0624	00634				06240000
0625	00635				06250000
0626	00636				06260000
0627	00637				06270000
0628	00638				06280000
0629	00639				06290000
0630	00640				06300000
0631	00641				06310000
0632	00642				06320000
0633	00643				06330000
0634	00644				06340000
0635	00645				06350000
0636	00646				06360000
0637	00647				06370000
0638	00648				06380000
0639	00649				06390000
0640	00650				06400000
0641	00651				06410000
0642	00652				06420000
0643	00653				06430000
0644	00654				06440000
0645	00655				06450000
0646	00656				06460000
0647	00657				06470000
0648	00658				06480000
0649	00659				06490000
0650	00660				06500000
0651	00661				06510000
0652	00662				06520000
0653	00663				06530000
0654	00664				06540000
0655	00665				06550000
0656	00666				06560000
0657	00667				06570000
0658	00668				06580000
0659	00669				06590000
0660	00670				06600000
0661	00671				06610000
0662	00672				06620000
0663	00673				06630000
0664	00674				06640000
0665	00675				06650000
0666	00676				06660000
0667	00677				06670000
0668	00678				06680000
0669	00679				06690000
0670	00680				06700000
0671	00681				06710000
0672	00682				06720000
0673	00683				06730000
0674	00684				06740000
0675	00685				06750000
0676	00686				06760000
0677	00687				06770000
0678	00688				06780000
0679	00689				06790000
0680	00690				06800000
0681	00691				06810000
0682	00692				06820000
0683	00693				06830000
0684	00694				06840000
0685	00695				06850000
0686	00696				06860000
0687	00697				06870000
0688	00698				06880000
0689	00699				06890000
0690	00700				06900000
0691	00701				06910000
0692	00702				06920000
0693	00703				06930000
0694	00704				06940000
0695	00705				06950000
0696	00706				06960000
0697	00707				06970000
0698	00708				06980000
0699	00709				06990000
0700	00710				07000000

INT NAME BASE DISP RLO1 DEFINITION

15 NW100 10.43.12 APR 3, 1984

INT NAME	BASE	DISP	RLO1	DEFINITION
00554	005540	05	FILLER	PIC X(53) VALUE SPACES.
00555	005550	05	FILLER	PIC X(40) DATA
00556	005560	05	VALUE	DATA RECAPT *
00557	005570	05	FILLER	PIC X(27) RECORD
00558	005580	05	VALUE	RECAPT RECORD *
00559	005590	05	FILLER	PIC X(14) VALUE SPACES.
00560	005600	03	REPORT3-DETAIL-LINE.	
00561	005610	05	FILLER	PIC X(05) VALUE SPACES.
00562	005620	05	RPT3-SEQ-NBR	PIC X(7).
00563	005630	05	FILLER	PIC X(6) VALUE SPACES.
00564	005640	05	RPT3-REP-NBR	PIC X(2).
00565	005650	05	FILLER	PIC X(16) VALUE SPACES.
00566	005660	05	RPT3-SPECIES-CODE	PIC X(10).
00567	005670	05	RPT3-DASH	PIC X VALUE SPACE.
00568	005680	05	RPT3-SPECIES-STATUS	PIC X.
00569	005690	05	FILLER	PIC X(4) VALUE SPACES.
00570	005700	05	RPT3-LINE-NBR	PIC X(3).
00571	005710	05	FILLER	PIC X(10) VALUE SPACES.
00572	005720	05	MISSING-ENVIR	PIC X.
00573	005730	05	FILLER	PIC X(09) VALUE SPACES.
00574	005740	05	MISSING-REPLIC	PIC X.
00575	005750	05	FILLER	PIC X(09) VALUE SPACES.
00576	005760	05	MISSING-SPECIES	PIC X.
00577	005770	05	FILLER	PIC X(09) VALUE SPACES.
00578	005780	05	DUP-TAG-RECAPT	PIC X.
00579	005790	05	FILLER	PIC X(09) VALUE SPACES.
00580	005800	05	NON-SEQ-TAG-RECAPT	PIC X.
00581	005810	05	FILLER	PIC X(09) VALUE SPACES.
00582	005820	05	NON-SEQ-INDIV-REC	PIC X.
00583	005830	05	FILLER	PIC X(9) VALUE SPACES.
00584	005840	05	MISSING-INDIV-REC	PIC X.
00585	005850	05	FILLER	PIC X(17) VALUE SPACES.
00586	005860	05	FILLER	

INT NAME	BASE	DISP	RLO1	DEFINITION
DNM=23-200	BL=10	06D	0534	DS 53C
DNM=23-214	BL=10	082	0587	DS 40C
DNM=23-228	BL=10	0CA	0627	DS 27C
DNM=23-242	BL=10	0E5	0654	DS 14C
DNM=23-256	BL=10	0F3	0668	DS 0CL133
DNM=23-288	BL=10	0F8	0673	DS 7C
DNM=23-302	BL=10	0F8	0673	DS 7C
DNM=23-324	BL=10	0FF	0680	DS 6C
DNM=23-338	BL=10	105	0686	DS 2C
DNM=23-363	BL=10	107	0688	DS 6C
DNM=23-377	BL=10	10D	0694	DS 10C
DNM=23-407	BL=10	117	0704	DS 1C
DNM=23-429	BL=10	118	0705	DS 1C
DNM=23-461	BL=10	119	0706	DS 4C
DNM=23-475	BL=10	11D	0710	DS 3C
DNM=24-000	BL=10	120	0713	DS 10C
DNM=24-014	BL=10	12A	0723	DS 1C
DNM=24-040	BL=10	12B	0724	DS 9C
DNM=24-054	BL=10	134	0733	DS 1C
DNM=24-078	BL=10	135	0734	DS 9C
DNM=24-092	BL=10	13E	0743	DS 1C
DNM=24-117	BL=10	13F	0744	DS 9C
DNM=24-131	BL=10	148	0753	DS 1C
DNM=24-155	BL=10	149	0754	DS 9C
DNM=24-169	BL=10	152	0763	DS 1C
DNM=24-200	BL=10	153	0764	DS 9C
DNM=24-214	BL=10	15C	0773	DS 1C
DNM=24-241	BL=10	160	0774	DS 9C
DNM=24-255	BL=10	166	0783	DS 1C
DNM=24-285	BL=10	167	0784	DS 17C

INT NAME	BASE	DISP	RLO1	DEFINITION
00588	00588D-01	TRANS-REC-FOR	PIC X(16)	VALUE * TRANS REC HERE * 05770000
00589	00589D	*	*	* * * * * 05780000
00590	00590D	TRANSACTION RECORD LAYOUT *		05790000
00591	00591D	*	*	* * * * * 05800000
00592	00592D	*	*	* * * * * 05810000
00593	000010	*****	*****	*****
00594	000270	*****	*****	*****
00595	000330	*****	*****	*****
00596	000940	*****	*****	*****
00597	000950-01	NM100REC.		*****
00598	000960	03 ACTION-CODE		PIC X.
00599	000970	88 END-OF-TRANS		VALUE HIGH-VALUES.
00600	000980	88 TR-ADD		VALUE 'A'.
00601	000990	88 TR-CHANGE		VALUE 'C'.
00602	001000	88 TR-DELETE		VALUE 'D'.
00603	001010	88 VALID-CHANGE-CODE		VALUE 'C', 'D'.
00604	001020	03 RECORD-TYPE		PIC X.
00605	001030	88 ENVIR-RECORD		VALUE '1'.
00606	001040	88 REPLIC-RECORD		VALUE '2'.
00607	001050	89 SPECIES-RECORD		VALUE '3'.
00608	001060	89 INDIV-RECORD		VALUE '4'.
00609	001070	88 ANNUUS-RECORD		VALUE '5'.
00610	001080	88 DUP-INDIV-RECORD		VALUE '6'.
00611	001090	88 DUP-INDIV-RECORD		VALUE '7'.
00612	000200	89 TAG-RECAPTURE-RECORD		VALUE '9'.
00613	000210	03 TR-CONTROL		PIC X.
00614	000220	05 RECORD-KEY.		
00615	000230	07 SEQUENCE-NUMBER.		
00616	000240	09 SEQ-YR		PIC XX.
00617	000250	09 SEQ-FILLER		PIC X(5).
00618	000260	07 REPLICATE-NUMBER		PIC X(12).
00619	000270	07 SPECIES-GROUP.		
00620	000280	09 SPECIES-CODE		PIC X(10).
00621	000290	09 SPECIES-STATUS		PIC X.
00622	000300	07 LINE-NUMBER		PIC X(3).
00623	000310	05 RECORD-KEY-R REDEFINES RECORD-KEY.		
00624	000320	07 SEQ-NBR-THRU-SPEC-GRP		PIC X(20).
00625	000330	07 FILLER		PIC X(3).
00626	000340	03 TR-DATA		PIC X(103).
00627	000350	03 TR-ENVIR-STA-DATA REDEFINES TR-DATA.		
00628	000360	05 PROGRAM-TYPE		PIC X(3).
00629	000370	05 ENVIR-DATE		PIC X(6).
00630	000380	05 ENVIR-STAT-NUMBER		PIC X(5).
00631	000390	05 ENVIR-START-LOC.		
00632	000400	07 ENVIR-LATITUDE		PIC X(5).
00633	000410	07 ENVIR-LONGITUDE		PIC X(5).
00634	000420	05 ENVIR-START-LOC-R REDEFINES ENVIR-START-LOC		
00635	000430	PIC 9(10).		
00636	000440	05 ENVIR-GRID.		
00637	000450	07 ENVIR-NUMER-GRID		PIC X(2).
00638	000460	07 ENVIR-ALPHA-GRID		PIC X(2).
00639	000470	PIC X.		
00640	000480	05 ENVIR-END-TIME		PIC X(4).
00641	000490	05 ENVIR-DURATION-OR-AREA		PIC X(4).

DNM-24-299 BL=10 178 0001 DS 16C
 DNM-24-322 BL=10 188 0001 DS 0CL128
 DNM-24-343 BL=10 188 0001 DS 1C
 DNM-24-481 BL=10 189 0002 DS 1C
 DNM-25-219 BL=10 18A 0003 DS 0CL23
 DNM-25-245 BL=10 18A 0003 DS 0CL23
 DNM-25-271 BL=10 18A 0003 DS 0CL7
 DNM-25-302 BL=10 18A 0003 DS 2C
 DNM-25-321 BL=10 18C 0005 DS 5C
 DNM-25-344 BL=10 191 0010 DS 2C
 DNM-25-373 BL=10 193 0012 DS 0CL11
 DNM-25-402 BL=10 193 0012 DS 10C
 DNM-25-427 BL=10 19D 0022 DS 1C
 DNM-25-454 BL=10 19E 0023 DS 3C
 DNM-25-475 BL=10 18A 0003 DS 0CL23
 DNM-26-000 BL=10 18A 0003 DS 20C
 DNM-26-034 BL=10 19E 0023 DS 3C
 DNM-26-048 BL=10 1A1 0026 DS 103C
 DNM-26-065 BL=10 1A1 0026 DS 0CL103
 DNM-26-098 BL=10 1A1 0026 DS 3C
 DNM-26-120 BL=10 1A4 0029 DS 6C
 DNM-26-140 BL=10 1AA 0035 DS 5C
 DNM-26-167 BL=10 1AF 0040 DS 0CL10
 DNM-26-198 BL=10 1AF 0040 DS 5C
 DNM-26-222 BL=10 184 0045 DS 5C
 DNM-26-250 BL=10 1AF 0040 DS 10C
 DNM-26-280 BL=10 189 0050 DS 0CL4
 DNM-26-306 BL=10 189 0050 DS 2C
 DNM-26-332 BL=10 188 0052 DS 2C
 DNM-26-358 BL=10 18D 0054 DS 1C
 DNM-26-381 BL=10 18E 0055 DS 4C
 DNM-26-408 BL=10 1C2 0059 DS 4C

17

NW100

10.43.12

APR 3, 1984

INT NAME

BASE DISP RLOI

DEFINITION

00642	000500	05 ENVIR-GEAR-TYPE	PIC X(3).	DNN=26-440	BL=10 1C6	0063	05 3C
00643	000510	05 ENVIR-GEAR-PARHI	PIC X(4).	DNN=26-468	BL=10 1C9	0066	05 4C
00644	000520	05 ENVIR-GEAR-PARM2	PIC X(4).	DNN=27-000	BL=10 1CD	0070	05 4C
00645	000530	05 ENVIR-GEAR-PARM3	PIC X(4).	DNN=27-029	BL=10 1D1	0074	05 4C
00646	000540	05 ENVIR-RIG	PIC X.	DNN=27-058	BL=10 1D5	0078	05 1C
00647	000550	05 ENVIR-TYPE-OF-TOW	PIC X.	DNN=27-077	BL=10 1D6	0079	05 1C
00648	000560	05 ENVIR-BOTTOM-TYPE	PIC X(2).	DNN=27-104	BL=10 1D7	0080	05 2C
00649	000570	05 ENVIR-BOTTOM-PROFILE	PIC X.	DNN=27-134	BL=10 1D9	0082	05 1C
00650	000580	05 ENVIR-DEPTH	PIC X(3).	DNN=27-167	BL=10 1DA	0083	05 3C
00651	000590	05 ENVIR-AIR-TEMP	PIC X(3).	DNN=27-191	BL=10 1DD	0086	05 3C
00652	000600	05 ENVIR-SURFACE-TEMP	PIC X(3).	DNN=27-215	BL=10 1E0	0089	05 3C
00653	000610	05 ENVIR-BOTTOM-TEMP	PIC X(3).	DNN=27-246	BL=10 1E3	0092	05 3C
00654	000620	05 ENVIR-SURFACE-SALIN	PIC X(3).	DNN=27-275	BL=10 1E6	0095	05 3C
00655	000630	05 ENVIR-BOTTOM-SALIN	PIC X(3).	DNN=27-305	BL=10 1E9	0098	05 3C
00656	000640	05 ENVIR-CONDUCT	PIC X(4).	DNN=27-336	BL=10 1EC	0101	05 4C
00657	000650	05 ENVIR-SURFACE-DO	PIC X(3).	DNN=27-362	BL=10 1F0	0105	05 3C
00658	000660	05 ENVIR-BOTTOM-DO	PIC X(3).	DNN=27-390	BL=10 1F3	0108	05 3C
00659	000670	05 ENVIR-PH	PIC X(2).	DNN=27-418	BL=10 1F6	0111	05 2C
00660	000680	05 ENVIR-WEATHER	PIC X.	DNN=27-439	BL=10 1F8	0113	05 1C
00661	000690	05 ENVIR-BAROMETER	PIC X(4).	DNN=27-462	BL=10 1F9	0114	05 4C
00662	000700	05 ENVIR-WIND-DIRECT	PIC X.	DNN=28-000	BL=10 1FD	0118	05 1C
00663	000710	05 ENVIR-WIND-SPEED	PIC X(2).	DNN=28-030	BL=10 1FE	0119	05 2C
00664	000720	05 ENVIR-CURRENT-DIRECT	PIC X.	DNN=28-059	BL=10 200	0121	05 1C
00665	000730	05 ENVIR-CURRENT-SPEED	PIC X(2).	DNN=28-092	BL=10 201	0122	05 2C
00666	000740	05 ENVIR-WATER-LEVEL	PIC X.	DNN=28-124	BL=10 203	0124	05 1C
00667	000750	05 ENVIR-STATE-ALTER	PIC X.	DNN=28-151	BL=10 204	0125	05 1C
00668	000760	05 ENVIR-ALLOWED-ACT	PIC X.	DNN=28-181	BL=10 205	0126	05 1C
00669	000770	05 ENVIR-NUMBER-REPLIC	PIC X(2).	DNN=28-211	BL=10 206	0127	05 2C
00670	000780	03 TR-REPLICATE-DATA REDEFINES TR-DATA.	PIC X(6).	DNN=28-240	BL=10 1A1	0026	05 OCL103
00671	000790	05 RP-COLLECT-SIZE	PIC X(6).	DNN=28-270	BL=10 1A1	0026	05 6C
00672	000800	05 RP-COLLECT-SIZE-R REDEFINES RP-COLLECT-SIZE PIC 9(6).	PIC X(6).	DNN=28-295	BL=10 1A1	0026	05 6C
00673	000810	05 RP-SAMPLE-SIZE	PIC X(6).	DNN=28-325	BL=10 1A7	0032	05 6C
00674	000820	05 PP-SAMPLE-SIZE-R REDEFINES RP-SAMPLE-SIZE PIC 9(6).	PIC X(6).	DNN=28-352	BL=10 1A7	0032	05 6C
00675	000830	05 RP-NUMBER-SPECIES	PIC X(2).	DNN=28-381	BL=10 1AD	0036	05 2C
00676	000840	05 RP-QUALITY	PIC X.	DNN=28-411	BL=10 1AF	0040	05 1C
00677	000850	05 FILLER	PIC X(88).	DNN=28-431	BL=10 1BG	0041	05 88C
00678	000860	03 TR-SPECIES-DATA REDEFINES TR-DATA.	PIC X(5).	DNN=28-445	BL=10 1A1	0026	05 OCL103
00679	000870	05 SPE-TOTAL-CNT	PIC X(5).	DNN=28-473	BL=10 1A1	0026	05 5C
00680	000880	05 SPE-TOTAL-CNT-R REDEFINES SPE-TOTAL-CNT PIC 9(5).	PIC X(6).	DNN=29-000	BL=10 1A1	0026	05 5C
00681	000890	05 SPE-TOTAL-WGT	PIC X(6).	DNN=29-028	BL=10 1A6	0031	05 6C
00682	000900	05 SPE-TOTAL-WGT-R REDEFINES SPE-TOTAL-WGT PIC 9(6).	PIC X(5).	DNN=29-051	BL=10 1A6	0031	05 6C
00683	000910	05 SPE-SAMPLE-CNT	PIC X(5).	DNN=29-076	BL=10 1AC	0037	05 5C
00684	000920	05 SPE-SAMPLE-CNT-R REDEFINES SPE-SAMPLE-CNT	PIC X(5).	DNN=29-103	BL=10 1AC	0037	05 5C
00685	000930	05 SPE-SAMPLE-WGT	PIC X(6).	DNN=29-132	BL=10 1B1	0042	05 6C
00686	000940	05 SPE-SAMPLE-WGT-R REDEFINES SPE-SAMPLE-WGT	PIC X(6).	DNN=29-156	BL=10 1B1	0042	05 6C
00687	000950	05 SPE-SUBSAMPLE-CNT	PIC X(5).	DNN=29-182	BL=10 1B7	0048	05 5C
00688	000960	05 SPE-SUBSAMPLE-CNT-R REDEFINES SPE-SUBSAMPLE-CNT	PIC X(5).	DNN=29-209	BL=10 1B7	0048	05 5C
00689	000970	05 SPE-SUBSAMPLE-WGT	PIC X(6).	DNN=29-238	BL=10 1B8	0053	05 6C
00690	000980	05 SPE-SUBSAMPLE-WGT-R REDEFINES SPE-SUBSAMPLE-WGT	PIC X(6).	DNN=29-265	BL=10 1B8	0053	05 6C
00691	000990	05 SPE-INDIV-FORMAT-CODE	PIC X.	DNN=29-297	BL=10 1C2	0059	05 1C
00692	001000						
00693	001010						
00694	001020						
00695	001030						

18 NI100 10.43.12 APR 3, 1984

INT NAME	BASE	DISP	RLO1	DEFINITION
DNM=29-328	BL=10	IC3	0060	DS 1C
DNM=29-354	BL=10	IC4	0061	DS 5C
DNM=29-379	BL=10	IC9	0066	DS 1C
DNM=29-402	BL=10	IC9	0067	DS 5C
DNM=29-430	BL=10	ICF	0072	DS 57C
DNM=29-444	BL=10	IA1	0026	DS OCL103
DNM=29-478	BL=10	IA1	0026	DS 5C
DNM=30-000	BL=10	IA4	0029	DS 4C
DNM=30-019	BL=10	IA4	0029	DS 4C
DNM=30-043	BL=10	IA8	0033	DS OCL38
DNM=30-069	BL=10	IA8	0033	DS 1C
DNM=30-090	BL=10	IA9	0034	DS 5C
DNM=30-109	BL=10	IAE	0039	DS 1C
DNM=30-131	BL=10	IAF	0040	DS 1C
DNM=30-156	BL=10	IB0	0041	DS 4C
DNM=30-180	BL=10	IB4	0045	DS 4C
DNM=30-201	BL=10	IB8	0049	DS 4C
DNM=30-222	BL=10	IBC	0053	DS 4C
DNM=30-248	BL=10	IC0	0057	DS 1C
DNM=30-273	BL=10	IC1	0058	DS 1C
DNM=30-295	BL=10	IC2	0059	DS 6C
DNM=30-321	BL=10	IC2	0059	DS 6C
DNM=30-346	BL=10	IC8	0065	DS 1C
DNM=30-375	BL=10	IC9	0066	DS 1C
DNM=30-404	BL=10	ICA	0067	DS 2C
DNM=30-423	BL=10	ICA	0067	DS 2C
DNM=30-447	BL=10	ICC	0069	DS 2C
DNM=30-477	BL=10	ICC	0059	DS 2C
DNM=31-000	BL=10	ICE	0071	DS 58C
DNM=31-014	BL=10	IA1	0026	DS OCL103
DNM=31-042	BL=10	IA1	0026	DS 2C
DNM=31-062	BL=10	IA1	0026	DS 2C
DNM=31-081	BL=10	IA3	0028	DS 3C
DNM=31-109	BL=10	IA3	0028	DS 3C
DNM=31-139	BL=10	IA6	0031	DS 3C
DNM=31-167	BL=10	IA6	0031	DS 3C
DNM=31-197	BL=10	IA9	0034	DS OCL90
DNM=31-226	BL=10	IA9	0034	DS 3C
DNM=31-252	BL=10	IAC	0037	DS 3C
DNM=31-278	BL=10	IAF	0040	DS 3C
DNM=31-301	BL=10	IB2	0043	DS 3C
DNM=31-327	BL=10	IB5	0046	DS 3C
DNM=31-350	BL=10	IB8	0049	DS 3C
DNM=31-376	BL=10	IB8	0052	DS 3C
DNM=31-399	BL=10	IBE	0055	DS 3C
DNM=31-425	BL=10	IC1	0058	DS 3C
DNM=31-451	BL=10	IC4	0061	DS 3C
DNM=31-475	BL=10	IC7	0064	DS 3C
DNM=32-000	BL=10	ICA	0067	DS 3C
DNM=32-027	BL=10	ICD	0070	DS 3C
DNM=32-054	BL=10	ID0	0073	DS 3C
DNM=32-081	BL=10	ID3	0076	DS 3C
05 SPE-TAG-TYPE1	PIC X.			
05 SPE-NBR-TAGGED1	PIC X(15).			
05 SPE-TAG-TYPE2	PIC X.			
05 SPE-NBR-TAGGED2	PIC X(15).			
05 FILLER	PIC X(57).			
03 TR-INDIVIDUAL-DATA	REDEFINES TR-DATA.			
05 INDIV-CNT	PIC X(4).			
05 INDIV-LTH	PIC X(4).			
05 INDIV-LTH-R	REDEFINES INDIV-LTH PIC 9(4).			
05 INDIV-DETAILS				
07 TEMP-FILLER	PIC X.			
07 INDIV-WGT	PIC X(15).			
07 INDIV-SEX	PIC X.			
07 INDIV-WATURE	PIC X.			
07 INDIV-PARM1	PIC X(4).			
07 INDIV-PARM2	PIC X(4).			
07 INDIV-PARM3	PIC X(4).			
07 INDIV-EGG-CNT	PIC X(4).			
07 INDIV-EGG-STAGE	PIC X.			
07 INDIV-STATUS	PIC X.			
07 INDIV-TAG-NBR	PIC X(6).			
07 INDIV-TAG-NBR-R	REDEFINES INDIV-TAG-NBR PIC 9(6).			
07 INDIV-AGE-STATUS	PIC X.			
07 INDIV-AGE-STRUCTURE	PIC X.			
07 INDIV-AGE	PIC X(2).			
07 INDIV-AGE-R	REDEFINES INDIV-AGE PIC 99.			
07 INDIV-SPAWN-MARK-CNT	PIC X(2).			
07 INDIV-SPAWN-MARK-CNT-R	REDEFINES INDIV-SPAWN-MARK-CNT PIC 99.			
05-FILLER	PIC X(58).			
03 TR-ANNULUS-DATA	REDEFINES TR-DATA.			
05 ANL-AGE	PIC X(2).			
05 ANL-AGE-R	REDEFINES ANL-AGE PIC 99.			
05 ANL-LTH-TO-EDGE	PIC X(3).			
05 ANL-LTH-TO-EDGE-R	REDEFINES ANL-LTH-TO-EDGE PIC 9(3).			
05 ANL-MARGIN-INC-R	PIC X(3).			
05 ANL-MARGIN-INC-R-R	REDEFINES ANL-MARGIN-INC-R PIC 9(3).			
05 ANL-DISTANCES				
07 ANL-DISTANCE1	PIC X(3).			
07 ANL-DISTANCE2	PIC X(3).			
07 ANL-DISTANCE3	PIC X(3).			
07 ANL-DISTANCE4	PIC X(3).			
07 ANL-DISTANCE5	PIC X(3).			
07 ANL-DISTANCE6	PIC X(3).			
07 ANL-DISTANCE7	PIC X(3).			
07 ANL-DISTANCE8	PIC X(3).			
07 ANL-DISTANCE9	PIC X(3).			
07 ANL-DISTANCE10	PIC X(3).			
07 ANL-DISTANCE11	PIC X(3).			
07 ANL-DISTANCE12	PIC X(3).			
07 ANL-DISTANCE13	PIC X(3).			
07 ANL-DISTANCE14	PIC X(3).			
07 ANL-DISTANCE15	PIC X(3).			

INT NAME	BASE	DISP	RLO1	DEFINITION
DNM=49-361	BL=10 23C		0037	DS 1C
DNM=49-383	BL=10 23C		0038	DS 1C
DNM=49-408	BL=10 23E		0039	DS 4C
DNM=49-432	BL=10 242		0043	DS 4C
DNM=49-456	BL=10 246		0047	DS 4C
DNM=49-480	BL=10 24A		0051	DS 4C
DNM=50-000	BL=10 24E		0055	DS 1C
DNM=50-028	BL=10 24F		0056	DS 1C
DNM=50-053	BL=10 250		0057	DS 6C
DNM=50-079	BL=10 250		0057	DS 6C
DNM=50-107	BL=10 250		0057	DS OCL6
DNM=50-136	BL=10 250		0057	DS 1C
DNM=50-170	BL=10 251		0058	DS 1C
DNM=50-204	BL=10 252		0059	DS 4C
DNM=50-234	BL=10 256		0063	DS 1C
DNM=50-292	BL=10 257		0064	DS 1C
DNM=50-324	BL=10 258		0065	DS 2C
DNM=50-346	BL=10 258		0065	DS 2C
DNM=50-370	BL=10 25A		0067	DS 2C
DNM=50-403	BL=10 25A		0067	DS 2C
DNM=50-438	BL=10 25C		0069	DS 74C
DNM=50-452	BL=10 246		0143	DS 8C
DNM=50-478	BL=10 230		0025	DS OCL126
DNM=51-000	BL=10 230		0025	DS 2C
DNM=51-020	BL=10 230		0025	DS 2C
DNM=51-042	BL=10 232		0027	DS 3C
DNM=51-070	BL=10 232		0027	DS 3C
DNM=51-100	BL=10 235		0030	DS 3C
DNM=51-128	BL=10 235		0030	DS 3C
DNM=51-158	BL=10 238		0033	DS OCL90
DNM=51-187	BL=10 238		0033	DS 3C
DNM=51-213	BL=10 238		0036	DS 3C
DNM=51-239	BL=10 23E		0039	DS 3C
DNM=51-265	BL=10 241		0042	DS 3C
DNM=51-291	BL=10 244		0045	DS 3C
DNM=51-317	BL=10 247		0048	DS 3C
DNM=51-343	BL=10 24A		0051	DS 3C
DNM=51-369	BL=10 240		0054	DS 3C
DNM=51-395	BL=10 250		0057	DS 3C
DNM=51-421	BL=10 253		0060	DS 3C
DNM=51-448	BL=10 256		0063	DS 3C
DNM=51-475	BL=10 259		0066	DS 3C
DNM=52-000	BL=10 25C		0069	DS 3C
DNM=52-027	BL=10 25F		0072	DS 3C
DNM=52-054	BL=10 262		0075	DS 3C
DNM=52-081	BL=10 265		0078	DS 3C
DNM=52-108	BL=10 268		0081	DS 3C
DNM=52-135	BL=10 26B		0084	DS 3C
DNM=52-162	BL=10 26E		0087	DS 3C
DNM=52-189	BL=10 271		0090	DS 3C
DNM=52-216	BL=10 274		0093	DS 3C
07 INDIV-SEX	PIC X.			
07 INDIV-MATURE	PIC X.			
07 INDIV-PARM1	PIC X(4).			
07 INDIV-PARM2	PIC X(4).			
07 INDIV-PARM3	PIC X(4).			
07 INDIV-EGG-CNT	PIC X(4).			
07 INDIV-EGG-STAGE	PIC X.			
07 INDIV-STATUS	PIC X.			
07 INDIV-TAG-NRR	PIC X(6).			
07 INDIV-TAG-NRR-R	REDEFINES INDIV-TAG-NRR PIC 9(6).			
07 INDIV-TAG-NRR-R	REDEFINES INDIV-TAG-NRR-R.			
09 INDIV-TAG-NBR-ALPHAB	PIC X.			
09 INDIV-TAG-NBR-ALPHA	PIC X.			
09 INDIV-TAG-NBR-DIGIT	PIC 9999.			
07 INDIV-AGE-STATUS	PIC X.			
88-AGE-STATUS-2	VALUE *2.			
07 INDIV-AGE-STRUCTURE	PIC X.			
07 INDIV-AGE	PIC X(2).			
07 INDIV-AGE-R	REDEFINES INDIV-AGE PIC 99.			
07 INDIV-SPAWN-MARK-CNT	PIC X(2).			
07 INDIV-SPAWN-MARK-CNT-R	REDEFINES INDIV-SPAWN-MARK-CNT PIC 99.			
05 FILLER	PIC X(74).			
05 DATE-MODIFIED	PIC X(9).			
03 ANNULUS-DATA	REDEFINES DATA-BY-RECORD-TYPE.			
05 ANL-AGE	PIC X(2).			
05 ANL-AGE-R	REDEFINES ANL-AGE PIC 99.			
05 ANL-LTH-TO-EDGE	PIC X(3).			
05 ANL-LTH-TO-EDGE-R	REDEFINES ANL-LTH-TO-EDGE PIC 9(3).			
05 ANL-MARGIN-INC	PIC X(3).			
05 ANL-MARGIN-INC-R	REDEFINES ANL-MARGIN-INC PIC 9(3).			
05 ANL-DISTANCE1	PIC X(3).			
07 ANL-DISTANCE1	PIC X(3).			
07 ANL-DISTANCE2	PIC X(3).			
07 ANL-DISTANCE3	PIC X(3).			
07 ANL-DISTANCE4	PIC X(3).			
07 ANL-DISTANCE5	PIC X(3).			
07 ANL-DISTANCE6	PIC X(3).			
07 ANL-DISTANCE7	PIC X(3).			
07 ANL-DISTANCE8	PIC X(3).			
07 ANL-DISTANCE9	PIC X(3).			
07 ANL-DISTANCE10	PIC X(3).			
07 ANL-DISTANCE11	PIC X(3).			
07 ANL-DISTANCE12	PIC X(3).			
07 ANL-DISTANCE13	PIC X(3).			
07 ANL-DISTANCE14	PIC X(3).			
07 ANL-DISTANCE15	PIC X(3).			
07 ANL-DISTANCE16	PIC X(3).			
07 ANL-DISTANCE17	PIC X(3).			
07 ANL-DISTANCE18	PIC X(3).			
07 ANL-DISTANCE19	PIC X(3).			
07 ANL-DISTANCE20	PIC X(3).			
07 ANL-DISTANCE21	PIC X(3).			

INT NAME	BASE	DISP	RLO1	DEFINITION
01161	003740			07 ANL-DISTANCE22 PIC X(3).
01162	003750			07 ANL-DISTANCE23 PIC X(3).
01163	003760			07 ANL-DISTANCE24 PIC X(3).
01164	003770			07 ANL-DISTANCE25 PIC X(3).
01165	003780			07 ANL-DISTANCE26 PIC X(3).
01166	003790			07 ANL-DISTANCE27 PIC X(3).
01167	003800			07 ANL-DISTANCE28 PIC X(3).
01168	003810			07 ANL-DISTANCE29 PIC X(3).
01169	003820			07 ANL-DISTANCE30 PIC X(3).
01170	003830			05 ANL-DIST-R REDEFINES-ANL-DISTANCES.
01171	003840			07 ANL-DIST OCCURS 30 TIMES PIC 9(3).
01172	003850			05 NUM-OF-SPAWN-MARKS PIC XX.
01173	003860			05 NUM-OF-SPAWN-MARKS-R REDEFINES
01174	003870			NUM-OF-SPAWN-MARKS PIC 99.
01175	003880			05 FILLER PIC X(18).
01176	003890			05 DATE-MODIFIED PIC X(8).
01177	003900			03 TAG-RECAPTURE-DATA REDEFINES DATA-BY-RECORD-TYPE.
01178	003910			05 TAG-NUMBER PIC X(6).
01179	003920			05 TAG-NUMBER-R REDEFINES TAG-NUMBER.
01180	003930			07 TAG-NUMBER-ALPHAB PIC X.
01181	003940			07 TAG-NUMBER-ALPHAN PIC X.
01182	003950			07 TAG-NUMBER-DIGIT PIC 9999.
01183	003960			05 TAG-TYPE PIC X.
01184	003970			05 RECAPTURE-DATE PIC XX.
01185	003980			07 RECAPT-YY PIC XX.
01186	003990			07 RECAPT-MM PIC XX.
01187	004000			07 RECAPT-DD PIC XX.
01188	004010			05 RECAPTURE-DATE-R REDEFINES RECAPTURE-DATE.
01189	004020			07 RECAPT-YY-R PIC 99.
01190	004030			07 RECAPT-MM-R PIC 99.
01191	004040			07 RECAPT-DD-R PIC 99.
01192	004050			05 RECAPTURE-LOC PIC X(10).
01193	004060			05 RECAPTURE-GEAR PIC X(3).
01194	004070			05 DAYS-OUT-R REDEFINES DAYS-OUT PIC 9999.
01195	004080			05 DIST-TRAVELFD PIC X(4).
01196	004090			05 RECAPTURE-LENGTH PIC X(4).
01197	004100			05 RECAPTURE-WEIGHT PIC X(5).
01198	004110			05 MATURITY PIC X(1).
01199	004120			05 FILLER PIC X(74).
01200	004130			05 DATE-MODIFIED PIC X(8).
01201	004140			*****
01202	004150			*****
01203	004160			*****

INT NAME	BASE	DISP	RLO1	DEFINITION
DNM=52-243	BL=10	277	0096	DS 3C
DNM=52-270	BL=10	27A	0099	DS 3C
DNM=52-297	BL=10	27D	0102	DS 3C
DNM=52-324	BL=10	280	0105	DS 3C
DNM=52-351	BL=10	283	0108	DS 3C
DNM=52-378	BL=10	286	0111	DS 3C
DNM=52-405	BL=10	289	0114	DS 3C
DNM=52-432	BL=10	28C	0117	DS 3C
DNM=52-459	BL=10	28F	0120	DS 3C
DNM=53-000	BL=10	238	0033	DS 0CL90
DNM=53-026	BL=10	238	0033	DS 3C
DNM=53-047	BL=10	292	0123	DS 2C
DNM=53-078	BL=10	292	0123	DS 2C
DNM=53-111	BL=10	294	0125	DS 18C
DNM=53-125	BL=10	2A6	0143	DS 8C
DNM=53-151	BL=10	230	0025	DS 0CL126
DNM=53-185	BL=10	230	0025	DS 6C
DNM=53-208	BL=10	230	0025	DS 0CL6
DNM=53-236	BL=10	230	0025	DS 1C
DNM=53-263	BL=10	231	0026	DS 1C
DNM=53-290	BL=10	232	0027	DS 4C
DNM=53-319	BL=10	236	0031	DS 1C
DNM=53-340	BL=10	237	0032	DS 0CL6
DNM=53-370	BL=10	237	0032	DS 2C
DNM=53-392	BL=10	239	0034	DS 2C
DNM=53-414	BL=10	238	0036	DS 2C
DNM=53-436	BL=10	237	0032	DS 0CL6
DNM=53-468	BL=10	237	0032	DS 2C
DNM=54-000	BL=10	239	0034	DS 2C
DNM=54-024	BL=10	238	0036	DS 2C
DNM=54-048	BL=10	230	0038	DS 10C
DNM=54-074	BL=10	247	0048	DS 3C
DNM=54-101	BL=10	24A	0051	DS 4C
DNM=54-122	BL=10	24A	0051	DS 4C
DNM=54-145	BL=10	24E	0055	DS 4C
DNM=54-171	BL=10	252	0059	DS 4C
DNM=54-200	BL=10	256	0063	DS 5C
DNM=54-229	BL=10	25B	0068	DS 1C
DNM=54-250	BL=10	29C	0069	DS 74C
DNM=54-264	BL=10	2A6	0143	DS 8C

21

NMI100

10.43.12

APR 3, 1984

INT NAME BASE DISP RL01 DEFINITION

00937	000500	88 PROGRAM-120	VALUE 120.	00
00838	000510	88 PROGRAM-125	VALUE 125.	00
00839	000520	88 PROGRAM-126	VALUE 126.	00
00840	000530	88 PROGRAM-130	VALUE 130.	00
00841	000540	88 PROGRAM-150	VALUE 150.	00
00842	000550	88 PROGRAM-160	VALUE 160.	00
00843	000560	88 PROGRAM-170-CR-180	VALUE 170 180.	00
00844	000570	88 PROGRAM-175	VALUE 175.	00
00845	000580	88 PROGRAM-300	VALUE 300.	00
00846	000590	88 PROGRAM-320	VALUE 320.	00
00847	000600	88 PROGRAM-330	VALUE 330.	00
00848	000610	88 PROGRAM-340	VALUE 340.	00
00849	000620	88 PROGRAM-350	VALUE 350.	00
00850	000630	88 PROGRAM-400	VALUE 400.	00
00851	000640	88 PROGRAM-410	VALUE 410.	00
00852	000650	88 PROGRAM-420	VALUE 420.	00
00853	000660	88 PROGRAM-421-OR-422	VALUE 421 422.	00
00854	000670	88 PROGRAM-430-OR-440	VALUE 430 440.	00
00855	000680	88 PROGRAM-431-OR-441	VALUE 431 441.	00
00856	000690	88 PROGRAM-432-OR-442	VALUE 432 442.	00
00857	000700	88 PROGRAM-433-OR-443	VALUE 433 443.	00
00858	000710	88 PROGRAM-434-OR-444	VALUE 434 444.	00
00859	000720	88 PROGRAM-435-OR-445	VALUE 435 445.	00
00860	000730	88 PROGRAM-436-OR-446	VALUE 436 446.	00
00861	000740	88 PROGRAM-437-OR-447	VALUE 437 447.	00
00862	000750	88 PROGRAM-438	VALUE 438.	00
00863	000760	88 PROGRAM-450	VALUE 450.	00
00864	000770	88 PROGRAM-460	VALUE 460.	00
00865	000780	88 PROGRAM-470	VALUE 470.	00
00866	000790	88 PROGRAM-500	VALUE 500.	00
00867	000800	88 PROGRAM-510	VALUE 510.	00
00868	000810	88 PROGRAM-530	VALUE 530.	00
00869	000820	88 PROGRAM-540	VALUE 540.	00
00870	000830	88 PROGRAM-550	VALUE 550.	00
00871	000840	88 PROGRAM-610	VALUE 610.	00
00872	000850	88 PROGRAM-615	VALUE 615.	00
00873	000860	88 PROGRAM-618	VALUE 618.	00
00874	000870	88 PROGRAM-620	VALUE 620.	00
00875	000880	88 PROGRAM-630	VALUE 630.	00
00876	000890	88 PROGRAM-650	VALUE 650.	00
00877	000900	88 PROGRAM-660	VALUE 660.	00
00878	000910	88 PROGRAM-670	VALUE 670.	00
00879	000920	88 PROGRAM-680	VALUE 680.	00
00880	000930	88 PROGRAM-690	VALUE 690.	00
00881	000940	88 PROGRAM-700	VALUE 700.	00
00882	000950	88 PROGRAM-705	VALUE 705.	00
00883	000960	88 PROGRAM-710	VALUE 710.	00
00884	000970	88 PROGRAM-715	VALUE 715.	00
00885	000980	88 PROGRAM-720	VALUE 720.	00
00886	000990	88 PROGRAM-725	VALUE 725.	00
00887	001000	88 PROGRAM-730	VALUE 730.	00
00888	001010	88 PROGRAM-735	VALUE 735.	00
00889	001020	88 PROGRAM-740	VALUE 740.	00
00890	001030	88 PROGRAM-745	VALUE 745.	00

INT NAME BASE DISP RL01 DEFINITION

10-43-12 APR 3, 1984

22 NM100

LINE	INT NAME	BASE	DISP	RL01	DEFINITION
1	00891	001040			88 PROGRAM-750 VALUE 750.
2	00892	001050			88 PROGRAM-755 VALUE 755.
3	00893	001060			88 PROGRAM-760 VALUE 760.
4	00894	001070			88 PROGRAM-765 VALUE 765.
5	00895	001080			88 PROGRAM-770 VALUE 770.
6	00896	001090			88 PROGRAM-775 VALUE 775.
7	00897	001100			88 PROGRAM-930 VALUE 930.
8	00898	001110			05 ENVR-DATE. PIC XX.
9	00899	001120			07 ENVR-YY. PIC XX.
10	00900	001130			07 ENVR-MM. PIC XX.
11	00901	001140			07 ENVR-DD. PIC XX.
12	00902	001150			05 ENVR-DATE-R REDEFINES ENVR-DATE. PIC 99.
13	00903	001160			07 ENVR-YY-R. PIC 99.
14	00904	001170			07 ENVR-MM-R. PIC 99.
15	00905	001180			07 ENVR-DD-R. PIC 99.
16	00906	001190			05 ENVR-STAT-NUMBER. PIC X(5).
17	00907	001200			05 ENVR-START-LOC. VALUE *2600000000* THRU *4000000000*.
18	00908	001210			88 START-LOC-26-10-40. VALUE *2600000000* THRU *4000000000*.
19	00909	001220			88 START-LOC-00-10-23. VALUE *0000000000* THRU *2300000000*.
20	00910	001230			07 ENVR-LATITUDE. PIC X(5).
21	00911	001240			07 ENVR-LONGITUDE. PIC X(5).
22	00912	001250			05 ENVR-START-LOC-R REDEFINES ENVR-START-LOC. PIC 9(10).
23	00913	001260			05 ENVR-GRID. PIC XX.
24	00914	001270			07 ENVR-NUMER-GRID. PIC XX.
25	00915	001280			88 VALID-NUMER-GRID VALUE *00* THRU *99*.
26	00916	001290			07 ENVR-ALPHA-GRID. PIC XX.
27	00917	001300			88 VALID-ALPHA-GRID VALUE *AA* THRU *ZZ*.
28	00918	001310			05 ENVR-QUAD. PIC X.
29	00919	001320			05 ENVR-END-TIME. PIC X(4).
30	00920	001330			05 ENVR-DURATION-OR-AREA. PIC X(4).
31	00921	001340			05 ENVR-GEAR-TYPE. PIC X(3).
32	00922	001350			05 ENVR-GEAR-TYPE-R REDEFINES ENVR-GEAR-TYPE PIC 9(3).
33	00923	001360			88 VALID-GEAR-OF-ZERO VALUE 000.
34	00924	001370			88 VALID-GEAR-OF-999 VALUE 999.
35	00925	001380			88 VALID-GEAR-OF-000 VALUE 000.
36	00926	001390			88 VALID-GEAR-FOR-PGM050 VALUE 911 200.
37	00927	001400			88 VALID-GEAR-FOR-PGM051 VALUE 200 531 940 420 911.
38	00928	001410			88 VALID-GEAR-FOR-PGM055 VALUE 556 550 200 213 300 500.
39	00929	001420			88 VALID-GEAR-FOR-PGM100 VALUE 911 200 300 213 300 500.
40	00930	001430			88 VALID-GEAR-FOR-PGM105 VALUE 311 556 531 530 538 212 130 535 911.
41	00931	001440			88 VALID-GEAR-FOR-PGM110 VALUE 645.
42	00932	001450			88 VALID-GEAR-FOR-PGM115 VALUE 531 559.
43	00933	001460			88 VALID-GEAR-FOR-PGM120 VALUE 245 531 130 605.
44	00934	001470			88 VALID-GEAR-FOR-PGM125 VALUE 556 559 538 330 311 245 240 210 211 557 558.
45	00935	001480			88 VALID-GEAR-FOR-PGM130 VALUE 556.
46	00936	001490			88 VALID-GEAR-FOR-PGM135 VALUE 556.
47	00937	001500			88 VALID-GEAR-FOR-PGM140 VALUE 556.
48	00938	001510			88 VALID-GEAR-FOR-PGM145 VALUE 556.
49	00939	001520			88 VALID-GEAR-FOR-PGM150 VALUE 556.
50	00940	001530			88 VALID-GEAR-FOR-PGM155 VALUE 556.
51	00941	001540			88 VALID-GEAR-FOR-PGM160 VALUE 556.
52	00942	001550			88 VALID-GEAR-FOR-PGM165 VALUE 556.
53	00943	001560			88 VALID-GEAR-FOR-PGM170 VALUE 556.
54	00944	001570			88 VALID-GEAR-FOR-PGM175 VALUE 556.
55	00945	001580			88 VALID-GEAR-FOR-PGM180 VALUE 556.
56	00946	001590			88 VALID-GEAR-FOR-PGM185 VALUE 556.
57	00947	001600			88 VALID-GEAR-FOR-PGM190 VALUE 556.
58	00948	001610			88 VALID-GEAR-FOR-PGM195 VALUE 556.
59	00949	001620			88 VALID-GEAR-FOR-PGM200 VALUE 556.
60	00950	001630			88 VALID-GEAR-FOR-PGM205 VALUE 556.
61	00951	001640			88 VALID-GEAR-FOR-PGM210 VALUE 556.
62	00952	001650			88 VALID-GEAR-FOR-PGM215 VALUE 556.
63	00953	001660			88 VALID-GEAR-FOR-PGM220 VALUE 556.
64	00954	001670			88 VALID-GEAR-FOR-PGM225 VALUE 556.
65	00955	001680			88 VALID-GEAR-FOR-PGM230 VALUE 556.
66	00956	001690			88 VALID-GEAR-FOR-PGM235 VALUE 556.
67	00957	001700			88 VALID-GEAR-FOR-PGM240 VALUE 556.
68	00958	001710			88 VALID-GEAR-FOR-PGM245 VALUE 556.
69	00959	001720			88 VALID-GEAR-FOR-PGM250 VALUE 556.
70	00960	001730			88 VALID-GEAR-FOR-PGM255 VALUE 556.
71	00961	001740			88 VALID-GEAR-FOR-PGM260 VALUE 556.
72	00962	001750			88 VALID-GEAR-FOR-PGM265 VALUE 556.
73	00963	001760			88 VALID-GEAR-FOR-PGM270 VALUE 556.
74	00964	001770			88 VALID-GEAR-FOR-PGM275 VALUE 556.
75	00965	001780			88 VALID-GEAR-FOR-PGM280 VALUE 556.
76	00966	001790			88 VALID-GEAR-FOR-PGM285 VALUE 556.
77	00967	001800			88 VALID-GEAR-FOR-PGM290 VALUE 556.
78	00968	001810			88 VALID-GEAR-FOR-PGM295 VALUE 556.
79	00969	001820			88 VALID-GEAR-FOR-PGM300 VALUE 556.
80	00970	001830			88 VALID-GEAR-FOR-PGM305 VALUE 556.
81	00971	001840			88 VALID-GEAR-FOR-PGM310 VALUE 556.
82	00972	001850			88 VALID-GEAR-FOR-PGM315 VALUE 556.
83	00973	001860			88 VALID-GEAR-FOR-PGM320 VALUE 556.
84	00974	001870			88 VALID-GEAR-FOR-PGM325 VALUE 556.
85	00975	001880			88 VALID-GEAR-FOR-PGM330 VALUE 556.
86	00976	001890			88 VALID-GEAR-FOR-PGM335 VALUE 556.
87	00977	001900			88 VALID-GEAR-FOR-PGM340 VALUE 556.
88	00978	001910			88 VALID-GEAR-FOR-PGM345 VALUE 556.
89	00979	001920			88 VALID-GEAR-FOR-PGM350 VALUE 556.
90	00980	001930			88 VALID-GEAR-FOR-PGM355 VALUE 556.
91	00981	001940			88 VALID-GEAR-FOR-PGM360 VALUE 556.
92	00982	001950			88 VALID-GEAR-FOR-PGM365 VALUE 556.
93	00983	001960			88 VALID-GEAR-FOR-PGM370 VALUE 556.
94	00984	001970			88 VALID-GEAR-FOR-PGM375 VALUE 556.
95	00985	001980			88 VALID-GEAR-FOR-PGM380 VALUE 556.
96	00986	001990			88 VALID-GEAR-FOR-PGM385 VALUE 556.
97	00987	002000			88 VALID-GEAR-FOR-PGM390 VALUE 556.
98	00988	002010			88 VALID-GEAR-FOR-PGM395 VALUE 556.
99	00989	002020			88 VALID-GEAR-FOR-PGM400 VALUE 556.
100	00990	002030			88 VALID-GEAR-FOR-PGM405 VALUE 556.

23

10.43.12

APR 3, 1984

INT NAME

BASE

DISP

RLOI

DEFINITION

NO	INT NAME	BASE	DISP	RLOI	DEFINITION
00945	001580	88-VALID-GEAR-FOR-PCM150	VALUE 245 230 220	00	
00946	001590		250 960 212		
00947	001600		130 380 420 331		
00948	001610	88-VALID-GEAR-FOR-PCM160	VALUE 600 605 645	02	
00949	001620		247		
00950	001630	88-VALID-GEAR-FOR-PCM170-180	VALUE 351 352 130 353	00	
00951	001640		240 532 200 550 570		
00952	001650		574 245 220 250 552		
00953	001660		926 950 925 911 920		
00954	001670		835		
00955	001680	88-VALID-GEAR-FOR-PCM175	VALUE 115	00	
00956	001690	88-VALID-GEAR-FOR-PCM300	VALUE 245 531 220	00	
00957	001700		230 940 250 320		
00958	001710		130 420		
00959	001720	88-VALID-GEAR-FOR-PCM320	VALUE 550	00	
00960	001730	88-VALID-GEAR-FOR-PCM330	VALUE 220 531 245 250	00	
00961	001740		550 130 420 556		
00962	001750	88-VALID-GEAR-FOR-PCM340	VALUE 531	00	
00963	001760	88-VALID-GEAR-FOR-PCM350	VALUE 130 311 352 353	00	
00964	001770		530 556 570		
00965	001780	88-VALID-GEAR-FOR-PCM400	VALUE 200 220 400 222	00	
00966	001790		230 250 232 240 420		
00967	001800		242 245 320 247 340		
00968	001810		130 421 422 500 352		
00969	001820	88-VALID-GEAR-FOR-PCM410	VALUE 420 422 421 500	00	
00970	001830		200 230 380 245		
00971	001840		130 352 250		
00972	001850		247 220 340 320		
00973	001860	88-VALID-GEAR-FOR-PCM420	VALUE 130 200 352 500	00	
00974	001870		220 222 232 420		
00975	001880	88-VALID-GEAR-FOR-PCM421-422	VALUE 200	00	
00976	001890	88-VALID-GEAR-FOR-PCM430-440	VALUE 130 200 117 415	00	
00977	001900	88-VALID-GEAR-FOR-PCM431-441	VALUE 130	00	
00978	001910	88-VALID-GEAR-FOR-PCM432-442	VALUE 130	00	
00979	001920	88-VALID-GEAR-FOR-PCM433-443	VALUE 500 510 530 532	00	
00980	001930		534 538 550 552 553		
00981	001940		554 572 570		
00982	001950	88-VALID-GEAR-FOR-PCM434-444	VALUE 200 220 222 240	00	
00983	001960		242 250		
00984	001970	88-VALID-GEAR-FOR-PCM435-445	VALUE 320 340	00	
00985	001980	88-VALID-GEAR-FOR-PCM436-446	VALUE 574	00	
00986	001990	88-VALID-GEAR-FOR-PCM437-447	VALUE 353 320 352	00	
00997	002000	88-VALID-GEAR-FOR-PCM438	VALUE 420 424 410 412	00	
00988	002010		118	00	
00989	002020	88-VALID-GEAR-FOR-PCM450	VALUE 500 570	00	
00990	002030	88-VALID-GEAR-FOR-PCM460	VALUE 150 530 550 554	00	
00991	002040		570		
00992	002050	88-VALID-GEAR-FOR-PCM470	VALUE 110 111 574 575	00	
00993	002060		740		
00994	002070	88-VALID-GEAR-FOR-PCM500	VALUE 556 559 550 500	00	
00995	002080		560 150 310 311 534		
00996	002090		538 558		
00997	002100	88-VALID-GEAR-FOR-PCM510	VALUE 556 559 550 500	00	
00998	002110		558 560 150 310 311		

INT NAME BASE DISP RLO1 DEFINITION

24	NR120	10.43.12	APR 3,1984	INT NAME	BASE	DISP	RLO1	DEFINITION
00999	002120			88 VALID-GEAR-FOR-PGM530	VALUE 536 538.			
01000	002130			88 VALID-GEAR-FOR-PGM540	VALUE 531 556 558.			
01001	002140			88 VALID-GEAR-FOR-PGM550	VALUE 531 556 558 111.			
01002	002150			88 VALID-GEAR-FOR-PGM610	VALUE 754 830.			
01003	002160			88 VALID-GEAR-FOR-PGM615	VALUE 805.			
01004	002170			88 VALID-GEAR-FOR-PGM618	VALUE 754.			
01005	002180			88 VALID-GEAR-FOR-PGM620	VALUE 746.			
01006	002190			88 VALID-GEAR-FOR-PGM630	VALUE 766.			
01007	002200			88 VALID-GEAR-FOR-PGM650	VALUE 758.			
01008	002210			88 VALID-GEAR-FOR-PGM660	VALUE 830 754 766 811.			
01009	002220			88 VALID-GEAR-FOR-PGM670	VALUE 754.			
01010	002230			88 VALID-GEAR-FOR-PGM680	VALUE 754 766.			
01011	002240			88 VALID-GEAR-FOR-PGM690	VALUE 713 810.			
01012	002250			88 VALID-GEAR-FOR-PGM700	VALUE 560 231 552			
01013	002260			88 VALID-GEAR-FOR-PGM710	531 534 515.			
01014	002270			88 VALID-GEAR-FOR-PGM720	VALUE 552 531.			
01015	002280			88 VALID-GEAR-FOR-PGM730	VALUE 560 715 713 554.			
01016	002290			88 VALID-GEAR-FOR-PGM740	VALUE 560.			
01017	002300			88 VALID-GEAR-FOR-PGM750	531 424 118 119			
01018	002310			88 VALID-GEAR-FOR-PGM760	120 411 412 413 420			
01019	002320			88 VALID-GEAR-FOR-PGM770	421 422 440 423 926			
01020	002330			88 VALID-GEAR-FOR-PGM780	911 950.			
01021	002340			88 VALID-GEAR-FOR-PGM790	VALUE 552 531.			
01022	002350			88 VALID-GEAR-FOR-PGM800	VALUE 552 531 119.			
01023	002360			88 VALID-GEAR-FOR-PGM810	VALUE 531 552.			
01024	002370			88 VALID-GEAR-FOR-PGM820	VALUE 911 925 926.			
01025	002380			88 VALID-GEAR-FOR-PGM830	VALUE 515.			
01026	002390			88 VALID-GEAR-FOR-PGM840	VALUE 720.			
01027	002400			88 VALID-GEAR-FOR-PGM850	VALUE 552.			
01028	002410			88 VALID-GEAR-FOR-PGM860	VALUE 531 552 560 715			
01029	002420			88 VALID-GEAR-FOR-PGM870	720.			
01030	002430			88 VALID-GEAR-FOR-PGM880	VALUE 531 552 560.			
01031	002440			88 VALID-GEAR-FOR-PGM890	VALUE 500.			
01032	002450			88 VALID-GEAR-FOR-PGM900	VALUE 552.			
01033	002460			88 VALID-GEAR-FOR-PGM910	VALUE 500.			
01034	002470			88 VALID-GEAR-FOR-PGM920	VALUE 552.			
01035	002480			05 ENVIR-GEAR-PARM1	PIC X(4).			
01036	002490			05 ENVIR-GEAR-PARM2	PIC X(4).			
01037	002500			05 ENVIR-GEAR-PARM3	PIC X(4).			
01038	002510			05 ENVIR-RIC	PIC X.			
01039	002520			05 ENVIR-TYPE-GE-TOM	PIC X.			
01040	002530			05 ENVIR-BOTTOM-TYPE	PIC X(2).			
01041	002540			05 ENVIR-BOTTOM-PROFILE	PIC X.			
01042	002550			05 ENVIR-DEPTH	PIC X(3).			
01043	002560			05 ENVIR-AIR-TEMP	PIC X(3).			
01044	002570			05 ENVIR-SURFACE-TEMP	PIC X(3).			
01045	002580			05 ENVIR-BOTTOM-TEMP	PIC X(3).			
01046	002590			05 ENVIR-SURFACE-SALIN	PIC X(3).			
01047	002600			05 ENVIR-BOTTOM-SALIN	PIC X(3).			
01048	002610			05 ENVIR-CONDUCT	PIC X(4).			
01049	002620			05 ENVIR-SURFACE-DO	PIC X(3).			
01050	002630			05 ENVIR-BOTTOM-DO	PIC X(3).			
01051	002640			05 ENVIR-PH	PIC X(2).			
01052	002650			05 ENVIR-WEATHER	PIC X.			

DNM=46-000 BL=10 258 0065 DS 4C
 DNM=46-029 BL=10 25C 0069 DS 4C
 DNM=46-058 BL=10 260 0073 DS 4C
 DNM=46-087 BL=10 264 0077 DS 1C
 DNM=46-109 BL=10 265 0078 DS 1C
 DNM=46-139 BL=10 266 0079 DS 2C
 DNM=46-169 BL=10 268 0081 DS 1C
 DNM=46-202 BL=10 269 0082 DS 3C
 DNM=46-226 BL=10 26C 0085 DS 3C
 DNM=46-253 BL=10 26F 0088 DS 3C
 DNM=46-284 BL=10 272 0091 DS 3C
 DNM=46-314 BL=10 275 0094 DS 3C
 DNM=46-346 BL=10 278 0097 DS 3C
 DNM=46-377 BL=10 27F 0100 DS 4C
 DNM=46-403 BL=10 27E 0104 DS 3C
 DNM=46-431 BL=10 282 0107 DS 3C
 DNM=46-459 BL=10 285 0110 DS 2C
 DNM=46-480 BL=10 287 0112 DS 1C

INT NAME	BASE	DISP	RLOI	DEFINITION
01053 002660	BL=10 288	0113	DS 4C	05 ENVIR-BAROMETER PIC X(4).
01054 002670	BL=10 28C	0117	DS 1C	05 ENVIR-WIND-DIRECT PIC X.
01055 002680	BL=10 28D	0118	DS 2C	05 ENVIR-WIND-SPEED PIC X(2).
01056 002690	BL=10 28F	0120	DS 1C	05 ENVIR-CURRENT-DIRECT PIC X.
01057 002700	BL=10 290	0121	DS 2C	05 ENVIR-CURRENT-SPEED PIC X(2).
01058 002710	BL=10 292	0123	DS 1C	05 ENVIR-WATER-LEVEL PIC X.
01059 002720	BL=10 293	0124	DS 1C	05 ENVIR-STATE-ALTER PIC X.
01060 002730	BL=10 294	0125	DS 1C	05 ENVIR-ALLOWED-ACT PIC X.
01061 002740	BL=10 295	0126	DS 2C	05 ENVIR-NUMBER-REPLIC PIC X(2).
01062 002750	BL=10 297	0128	DS 15C	05 FILLER PIC X(15).
01063 002760	BL=10 2A6	0143	DS 8C	05 DATE-MODIFIED PIC X(8).
01064 002770	BL=10 2A6	0143	DS 8C	03 REPLICATE-DATA REDEFINES DATA-BY-RECORD-TYPE.
01065 002780	BL=10 230	0025	DS 6C	05 RP-COLLECT-SIZE PIC X(6).
01066 002790	BL=10 230	0025	DS 6C	05 RP-COLLECT-SIZE-R REDEFINES RP-COLLECT-SIZE PIC 9(6).
01067 002800	BL=10 236	0031	DS 6C	05 RP-SAMPLE-SIZE PIC X(6).
01068 002810	BL=10 236	0031	DS 6C	05 RP-SAMPLE-SIZE-R REDEFINES RP-SAMPLE-SIZE PIC 9(6).
01069 002820	BL=10 23C	0037	DS 2C	05 RP-NUMBER-SPECIES PIC X(2).
01070 002830	BL=10 23E	0039	DS 1C	05 RP-QUALITY PIC X.
01071 002840	BL=10 23F	0040	DS 103C	05 FILLER PIC X(103).
01072 002850	BL=10 2A6	0143	DS 8C	05 DATE-MODIFIED PIC X(8).
01073 002860	BL=10 2A6	0143	DS 8C	03 SPECIES-DATA REDEFINES DATA-BY-RECORD-TYPE.
01074 002870	BL=10 230	0025	DS 6C	05 SPE-TOTAL-CNT PIC X(6).
01075 002880	BL=10 230	0025	DS 5C	05 SPE-TOTAL-CNT-R REDEFINES SPE-TOTAL-CNT PIC 9(5).
01076 002890	BL=10 230	0025	DS 5C	05 SPE-TOTAL-WGT PIC X(6).
01077 002900	BL=10 235	0030	DS 6C	05 SPE-TOTAL-WGT-R REDEFINES SPE-TOTAL-WGT PIC 9(6).
01078 002910	BL=10 238	0036	DS 5C	05 SPE-SAMPLE-CNT PIC X(5).
01079 002920	BL=10 238	0036	DS 5C	05 SPE-SAMPLE-CNT-R REDEFINES SPE-SAMPLE-CNT PIC 9(5).
01080 002930	BL=10 240	0041	DS 6C	05 SPE-SAMPLE-WGT PIC X(6).
01081 002940	BL=10 240	0041	DS 6C	05 SPE-SAMPLE-WGT-R REDEFINES SPE-SAMPLE-WGT PIC 9(6).
01082 002950	BL=10 246	0047	DS 5C	05 SPE-SUBSAMPLE-CNT PIC X(5).
01083 002960	BL=10 246	0047	DS 5C	05 SPE-SUBSAMPLE-CNT-R REDEFINES SPE-SUBSAMPLE-CNT PIC 9(5).
01084 002970	BL=10 248	0052	DS 6C	05 SPE-SUBSAMPLE-WGT PIC X(6).
01085 002980	BL=10 248	0052	DS 6C	05 SPE-SUBSAMPLE-WGT-R REDEFINES SPE-SUBSAMPLE-WGT PIC 9(6).
01086 002990	BL=10 251	0058	DS 1C	05 SPE-INDIV-FORMAT-CODE PIC X.
01087 003000	BL=10 252	0059	DS 1C	05 SPE-TAG-TYPE1 PIC X.
01088 003010	BL=10 253	0060	DS 5C	05 SPE-NBR-TAGGED1 REDEFINES SPE-NBR-TAGGED1 PIC 9(5).
01089 003020	BL=10 258	0065	DS 1C	05 SPE-TAG-TYPE2 PIC X.
01090 003030	BL=10 259	0066	DS 5C	05 SPE-NBR-TAGGED2 REDEFINES SPE-NBR-TAGGED2 PIC 9(5).
01091 003040	BL=10 25E	0071	DS 72C	05 DATE-MODIFIED PIC X(72).
01092 003050	BL=10 2A6	0143	DS 8C	05 FILLER PIC X(8).
01093 003060	BL=10 230	0025	DS 3C	03 INDIVIDUAL-DATA REDEFINES DATA-BY-RECORD-TYPE.
01094 003070	BL=10 230	0025	DS 3C	05 INDIV-CNT PIC X(3).
01095 003080	BL=10 230	0025	DS 3C	05 INDIV-CNT-P REDEFINES INDIV-CNT PIC 9(3).
01096 003090	BL=10 230	0025	DS 3C	88 SPECIES-CODE3-6-CNT VALUE 001.
01097 003100	BL=10 230	0025	DS 3C	05 INDIV-LTH PIC X(4).
01098 003110	BL=10 230	0025	DS 3C	05 INDIV-LTH-R REDEFINES INDIV-LTH PIC 9(4).
01099 003120	BL=10 230	0025	DS 3C	05 INDIV-DETAILS PIC X(5).
01100 003130	BL=10 230	0025	DS 3C	07 INDIV-WGT
01101 003140	BL=10 233	0028	DS 4C	
01102 003150	BL=10 233	0028	DS 4C	
01103 003160	BL=10 237	0032	DS 5C	
01104 003170	BL=10 237	0032	DS 5C	
01105 003180	BL=10 237	0032	DS 5C	
01106 003190	BL=10 237	0032	DS 5C	

INT NAME	BASE	DISP	RL01	DEFINITION
01353	006090	01		SEARCH-PRELOAD-KEY VALUE SPACES.
01354	006100			03 SEARCH-ENVIR-PROGRAM-TYPE PIC X(03).
01355	006110			03 SEARCH-ENVIR-START-LCC PIC X(10).
01356	006120			03 SEARCH-ENVIR-STAT-NUM PIC X(05).
01357	006130*			06020000
01358	006140	01		WK-ENVIR-PRELOAD-REC.
01359	006150			03 WK-ENVIR-PRELOAD-KEY PIC X(18).
01360	006160			03 END-OF-ENVIR-PRELOAD VALUE HIGH-VALUES.
01361	006170			03 WK-ENVIR-PRELOAD-DATA.
01362	006180			05 WK-E-DURATION PIC X(04).
01363	006190			05 WK-E-GEAR-TYPE PIC X(03).
01364	006200			05 WK-E-GEAR-PARM1 PIC X(04).
01365	006210			05 WK-E-GEAR-PARM2 PIC X(04).
01366	006220			05 WK-E-GEAR-PARM3 PIC X(04).
01367	006230			05 WK-E-PIG PIC X(01).
01368	006240			05 WK-E-TYPE-OF-TOW PIC X(01).
01369	006250			05 WK-E-BOTTOM-TYPE PIC X(02).
01370	006260			05 WK-E-BOTTOM-PROF PIC X(01).
01371	006270			05 WK-E-DEPTH PIC X(03).
01372	006280			05 WK-E-STATE-ALTER PIC X(01).
01373	006290*			06130000
01374	006300	01		NBR-OCCURS-ENVIR-PRELOAD PIC 99999 COMP VALUE +0500.
01375	006310*			06200000
01376	006320	01		TABLE-ENVIR-PRELOAD.
01377	006330			03 TAB-ENVIR-PRELOAD-ENTRY OCCURS 500 TIMES
01378	006340			ASCENDING KEY TAB-ENVIR-PRELOAD-KEY
01379	006350			INDEXED BY EPL-IX.
01380	006360			05 TAB-ENVIR-PRELOAD-KEY PIC X(18).
01381	006370			05 TAB-ENVIR-PRELOAD-DATA PIC X(28).
01382	006380*			06270000
01383	006390*			06280000
01384	006400	01		CONVERT-DECIMAL-AREA.
01385	006410			03 CONVERT-FIELD PIC X(6).
01386	006420			03 TEST-FIELD PIC X(6).
01387	006430			03 CONVERTED-DECIMAL-12 PIC 99999999999999.
01388	006440			03 HOLD-CONVERSION PIC 9(6)V9(6).
01389	006450			03 TARGET-AREA REDEFINES-HOLD-CONVERSION.
01390	006460			05 NUMBER-UNITS PIC X(6) JUST RIGHT.
01391	006470			05 NUMBER-DECIMAL PIC X(6).
01392	006480			03 COUNT-UNITS PIC 9.
01393	006490			03 COUNT-DECIMAL PIC 9.
01394	006500			03 NUMBER-OF-FIELDS PIC 9.
01395	006510*			06400000
01396	006520	01		CONVERTED-DECIMAL-HOLD-AREA.
01397	006530			03 PP-SAMPLE-SIZE-CNVRT PIC 99999999999999.
01398	006540			03 PP-COLLECT-SIZE-CNVRT PIC 99999999999999.
01399	006550			03 SPE-SAMPLE-WGT-CNVRT PIC 99999999999999.
01400	006560			03 SPE-SUBSAMPLE-WGT-CNVRT PIC 99999999999999.
01401	006570			03 SPE-TOTAL-WGT-CNVRT PIC 99999999999999.
01402	006580*			06470000
01403	006590	01		LATIN-TABLE-ENTRIES.
01404	006600			03 LATIN-NAME-TABLE OCCURS 427 TIMES
01405	006610			ASCENDING KEY IS SPECIES-NUMBER
01406	006620			INDEXED BY LATIN-INDEX.

05980000 DNM=60-079 BL=10 379 0001 DS OCL18
05990000 DNM=60-113 BL=10 378 0001 DS 3C
06000000 DNM=60-148 BL=10 375 0004 DS 10C
06010000 DNM=60-183 BL=10 395 0014 DS 5C
06020000
06030000 DNM=60-217 BL=10 390 0001 DS OCL46
06040000 DNM=60-253 BL=10 390 0001 DS 18C
06050000
06060000 DNM=60-322 BL=10 342 0019 DS OCL28
06070000 DNM=60-356 BL=10 342 0019 DS 4C
06080000 DNM=60-382 BL=10 346 0023 DS 3C
06090000 DNM=60-409 BL=10 349 0026 DS 4C
06100000 DNM=60-437 BL=10 34D 0030 DS 4C
06110000 DNM=60-465 BL=10 381 0034 DS 4C
06120000 DNM=61-000 BL=10 385 0038 DS 1C
06130000 DNM=61-021 BL=10 386 0039 DS 1C
06140000 DNM=61-050 BL=10 387 0040 DS 2C
06150000 DNM=61-076 BL=10 389 0042 DS 1C
06160000 DNM=61-105 BL=10 38A 0043 DS 3C
06170000 DNM=61-128 BL=10 38D 0046 DS 1C
06180000
06190000 DNM=61-157 BL=10 3C0 0001 DS 2C
06200000
06210000 DNM=61-194 BL=10 3C8 0001 DS OCL23000
06220000 DNM=61-242 BL=10 3C8 0001 DS OCL46
06230000
06240000
06250000 DNM=61-281 BL=10 3C8 0001 DS 13C
06260000 DNM=61-315 BL=10 3DA 0019 DS 28C
06270000
06280000
06290000 DNM=61-353 BL=15 DA0 0001 DS OCL39
06300000 DNM=61-389 BL=15 DA0 0001 DS 6C
06310000 DNM=61-412 BL=15 DA6 0007 DS 6C
06320000 DNM=61-435 BL=15 DAC 0013 DS 12C
06330000 DNM=61-465 BL=15 D88 0025 DS 12C
06340000 DNM=62-000 BL=15 D88 0025 DS OCL12
06350000 DNM=62-077 BL=15 D88 0025 DS 6C
06360000 DNM=62-052 BL=15 D8E 0031 DS 6C
06370000 DNM=62-079 BL=15 DC4 0037 DS 1C
06380000 DNM=62-109 BL=15 DC5 0038 DS 1C
06390000 DNM=62-123 BL=15 DC6 0039 DS 1C
06400000
06410000 DNM=62-155 BL=15 DC8 0001 DS OCL60
06420000 DNM=62-198 BL=15 DC8 0001 DS 12C
06430000 DNM=62-231 BL=15 DC4 0013 DS 12C
06440000 DNM=62-265 BL=15 DE0 0025 DS 12C
06450000 DNM=62-298 BL=15 DEC 0037 DS 12C
06460000 DNM=62-334 BL=15 DF8 0049 DS 12C
06470000
06480000 DNM=62-366 BL=15 E08 0001 DS OCL31171
06490000 DNM=62-422 BL=15 E08 0001 DS OCL73
06500000
06510000

01407 006630 05 ENGLISH-NAME PIC X(26).
 01408 006640 05 SPECIES-NUMBER PIC X(10).
 01409 006650 05 SPECIES-NUMBER-R REDEFINES
 01410 006660 05 SPECIES-NUMBER PIC 9(10).
 01411 006670 05 LATIN-NAME PIC X(37).
 01412 006680 01 ARRANGE-HOLD-AREA PIC X(80).
 01413 006690 01 ARRANGE-BLOCK.
 01414 006700 03 ARRANGE-SSI PIC 5(4) COMP SYNC.
 01415 006710 03 ARRANGE-SS2 PIC 5(4) COMP SYNC.
 01416 006720 03 ARRANGE-LIMIT PIC 5(4) COMP SYNC.
 01417 006730 03 ARRANGE-LAST PIC 5(4) COMP SYNC.
 01418 006740*
 01419 006750 01 TAG-RECAPT-TAGNBR.
 01420 006760 03 TAG-RECAPT-TAG-NUMBR OCCURS 3000 TIMES
 01421 006770 INDEXED BY TAG-INDEX.
 01422 006780 05 TAG-RECAPT-TAG-NUMBER PIC X(6).
 01423 006790*
 01424 006800 01 ADJUST-ZERO-DATE.
 01425 006810 03 ZERO-YY PIC 99.
 01426 006820 03 ZERO-MM PIC 99.
 01427 006830 03 ZERO-DD PIC 99.
 01428 006840*
 01429 006850*
 01430 006860 01 ACTION-MESSAGES.
 01431 006870 03 NOT-ADD PIC X(11) VALUE 'NOT ADDED'.
 01432 006880 03 NOT-CHG PIC X(11) VALUE 'NOT CHANGED'.
 01433 006890 03 NOT-DEL PIC X(11) VALUE 'NOT DELETED'.
 01434 006900*
 01435 006910 01 UPDATE-MESSAGES.
 01436 006920 03 REC-ADD PIC X(14) VALUE 'RECORD ADDED'.
 01437 006930 03 REC-CHG PIC X(14) VALUE 'RECORD CHANGED'.
 01438 006940 03 REC-DEL PIC X(14) VALUE 'RECORD DELETED'.
 01439 006950*
 01440 006960 01 UPDATE-ERROR-MESSAGES.
 01441 006970 03 INVALID-CHG-CODE PIC X(19) VALUE 'INVALID CHANGE CODE'.
 01442 006980 03 NO-REC PIC X(19) VALUE 'RECORD NOT ON FILE'.
 01443 006990 03 REC-ALREADY PIC X(19) VALUE 'RECORD ON FILE'.
 01444 007000*
 01445 007010 01 ERROR-MESSAGES.
 01446 007020 03 FLD-NOT-NUMERIC-ERR. PIC X(18).
 01447 007030 05 FLD-NAME-IN-ERR. PIC X(27).
 01448 007040 05 FILLER.
 01449 007050 05 VALUE '---DATA IN FIELD NOT NUMERIC'.
 01450 007060 03 REPS-DONT-MATCH. PIC X(45).
 01451 007070 03 VALUE 'NUM.REPLIC.RECORDS NOT = ENVIR.REPLICS OF XX'.
 01452 007080 03 REPS-DONT-MATCH-R-REDEFINES REPS-DONT-MATCH.
 01453 007090 05 FILLER. PIC X(42).
 01454 007100 05 ERP-MSG-REPS. PIC XX.
 01455 007110 05 FILLER. PIC X.
 01456 007120 03 SAMPLE-EXCEEDS-COLLECTION PIC X(45).
 01457 007130 03 VALUE 'SAMPL S17(123,456) GT COLLECTION SIZE(123,456)'.
 01458 007140 03 SAMPLE-EXCEEDS-COLLECTION-R REDEFINES
 01459 007150 03 SAMPLE-EXCEEDS-COLLECTION.
 01460 007160 05 FILLER. PIC X(10).

INT NAME	BASE	DISP	RLOI	DEFINITION
DNM=52-454	8L=15	E08	0001	DS 26C
DNM=63-000	8L=15	E22	0027	DS 10C
DNM=63-030	8L=15	E22	0027	DS 10C
DNM=63-062	8L=15	E2C	0037	DS 37C
DNM=63-088	8L=23	700	0001	DS 80C
DNM=63-118	8L=23	820	0001	DS 0CLB
DNM=63-147	8L=23	820	0001	DS 1H
DNM=63-171	8L=23	822	0003	DS 1H
DNM=63-195	8L=23	824	0005	DS 1H
DNM=63-221	8L=23	826	0007	DS 1H
DNM=63-246	8L=23	828	0001	DS 0CL18000
DNM=63-293	8L=23	828	0001	DS 0CL6
DNM=63-331	8L=23	828	0001	DS 6C
DNM=63-368	8L=27	E78	0001	DS 0CL6
DNM=63-400	8L=27	E78	0001	DS 2C
DNM=63-420	8L=27	E7A	0003	DS 2C
DNM=63-440	8L=27	E7C	0005	DS 2C
DNM=63-457	8L=27	E80	0001	DS 0CL33
DNM=63-488	8L=27	E80	0001	DS 11C
DNM=64-000	8L=27	E80	0012	DS 11C
DNM=64-020	8L=27	E95	0023	DS 11C
DNM=64-040	8L=27	E80	0001	DS 0CL42
DNM=64-068	8L=27	E80	0001	DS 14C
DNM=64-088	8L=27	E86	0015	DS 14C
DNM=64-108	8L=27	E64	0029	DS 14C
DNM=64-128	8L=27	ED9	0001	DS 0CL37
DNM=64-165	8L=27	ED8	0001	DS 19C
DNM=64-192	8L=27	EE0	0020	DS 19C
DNM=64-211	8L=27	EFF	0039	DS 19C
DNM=64-235	8L=27	F18	0001	DS 0CL2565
DNM=64-262	8L=27	F18	0001	DS 0CL45
DNM=64-297	8L=27	F18	0001	DS 18C
DNM=64-325	8L=27	F2A	0019	DS 27C
DNM=64-339	8L=27	F45	0046	DS 45C
DNM=64-367	8L=27	F45	0046	DS 0CL45
DNM=64-400	8L=27	F45	0046	DS 42C
DNM=64-414	8L=27	F6F	0088	DS 2C
DNM=64-439	8L=27	F71	0090	DS 1C
DNM=64-453	8L=27	F72	0091	DS 45C
DNM=65-000	8L=27	F72	0091	DS 0CL45
DNM=65-043	8L=27	F72	0091	DS 10C

INT NAME	BASE	DISP	RLO1	DEFINITION
01461	007170	05	SAMPLE-SIZ	PIC 999,999
01462	007180	05	FILLER	PIC X(20)
01463	007190	05	COLLECT-SIZ	PIC 999,999
01464	007200	05	FILLER	PIC X(11)
01465	007210	03	GRID-NOT-FORMATTED	PIC X(45)
01466	007220	03	GRID-NOT-CORRECTLY FORMATTED - XXXX	
01467	007230	03	GRID-NOT-FORMATTED-R-REDEFINES GRID-NOT-FORMATTED	
01468	007240	05	FILLER	PIC X(31)
01469	007250	05	ERR-MSG-GRID	PIC XXXX
01470	007260	05	FILLER	PIC X(10)
01471	007270	03	SPECIES-DONT-MATCH	PIC X(45)
01472	007280	03	SPECIES-RECORDS(12) NOT = REP-SPEC-OF-XX	
01473	007290	03	SPECIES-DONT-MATCH-R-REDEFINES SPECIES-DONT-MATCH	
01474	007300	05	FILLER	PIC X(20)
01475	007310	05	NMA-SPEC-REC	PIC 99
01476	007320	05	FILLER	PIC X(20)
01477	007330	05	ERR-MSG-SPECS	PIC XX
01478	007340	05	FILLER	PIC X(11)
01479	007350	03	SUB-SIZE-EXCEEDS-SAMPLE	PIC X(45)
01480	007360	03	SUB-SIZE-EXCEEDS-SAMPLE-NBR(12345) GT SAMPL NMBR(12345)	
01481	007370	03	SUB-SIZE-EXCEEDS-SAMPLE-R-REDEFINES SUB-SIZE-EXCEEDS-SAMPLE	
01482	007380	05	FILLER	PIC X(18)
01483	007390	05	SPEC-SUBSAMP-NMBRX	PIC 9(5)
01484	007400	05	FILLER	PIC X(16)
01485	007410	05	SPEC-SAMPL-NMBRX	PIC 9(5)
01486	007420	05	FILLER	PIC X
01487	007430	03	SAMPLE-SIZE-EXC-COLLECTION PIC X(45)	
01488	007440	03	SAMPLE-SIZE-EXC-COLLECTION PIC X(45) GT TOTAL NMBR(12345)	
01489	007450	03	SAMPLE-SIZE-EXC-COLLECTION SIZE REDEFINES	
01490	007460	05	FILLER	PIC X(17)
01491	007470	05	SPE-SAMPLE-NMBRX	PIC 9(5)
01492	007480	05	FILLER	PIC X(16)
01493	007490	05	SPE-TOTAL-NMBRX	PIC 9(5)
01494	007500	05	FILLER	PIC XX
01495	007510	03	SUB-WGT-EXCEEDS-SAMPLE PIC X(45)	
01496	007520	03	SUB-WGT-EXCEEDS-SAMPLE-NBR(123,456) GT SAMP WGT(123,456)	
01497	007530	03	SUB-WGT-EXCEEDS-SAMPLE-NBR(123,456) GT SAMP WGT(123,456) SUB-WGT-EXCEEDS-SAMPLE	
01498	007540	05	FILLER	PIC 999,999
01499	007550	05	FILLER	PIC X(14)
01500	007560	05	SPE-SUB-WGHTX	PIC X
01501	007570	05	FILLER	PIC 99,999
01502	007580	05	SPE-SAMP-WGHTX	PIC X(45)
01503	007590	05	FILLER	PIC X
01504	007600	03	SAMPLE-WGT-EXCFDTS-TOTAL	
01505	007610	03	SAMPLE-WGT-EXCFDTS-TOTAL-NBR(123,456) GT TOTAL WGT(123,456)	
01506	007620	05	FILLER	PIC X(15)
01507	007630	05	SAMP-WGT-GT-TOTAL REDEFINES SAMPLE-WGT-EXCEEDS-TOTAL	
01508	007640	05	FILLER	PIC 999,999
01509	007650	05	SPE-SAMPLE-WGHTX	PIC X(15)
01510	007660	05	FILLER	PIC X
01511	007670	05	SPE-TOTL-WGHTX	PIC 99,999
01512	007680	05	FILLER	PIC X
01513	007690	03	INVALID-REC-FOR-CODE	PIC X(45)
01514	007700	03	INVALID-REC-FOR-CODE TYPE INVALID FOR SPECIES FORMAT X	

INT	NAME	BASE	DISP	RLOI	DEFINITION
01515	007710	03	INVALID-REC-FUR-CODE-R-REDEFINES-INVALID-REC-FOR-CODE-		
01516	007720	05	FILLER		
01517	007730	05	ERR-MSG-CODE		
01518	007740	03	INVALID-INDIV-FORMAT		
01519	007750	05	ERR-MSG-CODE		
01520	007760	03	DUPPLICATE-INDIV-RECS		
01521	007770	05	FILLER		
01522	007780	03	INDIV-LTH-DISCREP		
01523	007790	05	FILLER		
01524	007800	03	INDIV-LTH-DISCREP-R-REDEFINES-INDIV-LTH-DISCREP.		
01525	007810	05	FILLER		
01526	007820	05	ERR-MSG-LTH		
01527	007830	05	FILLER		
01528	007840	03	YEAR-DIFSMT-MATCH		
01529	007850	05	FILLER		
01530	007860	03	SUBSAMPLES-DONT-MATCH		
01531	007870	05	FILLER		
01532	007880	03	SUBSAMPLES-DONT-MATCH-R-REDEFINES-SUBSAMPLES-DONT-MATCH.		
01533	007890	05	FILLER		
01534	007900	05	NUMBER-INDIV-RECX		
01535	007910	05	FILLER		
01536	007920	05	ERR-MSG-SUBSAM		
01537	007930	03	ANL-DIST-EPROR		
01538	007940	05	FILLER		
01539	007950	03	TAG-NBR-LESS		
01540	007960	05	FILLER		
01541	007970	03	TAG-NBR-LESS-R		
01542	007980	05	FILLER		
01543	007990	05	ERR-MSG-TAG		
01544	008000	03	TAG-NBR-DISCREP		
01545	008010	05	FILLER		
01546	008020	03	TAG-NBR-DISCREP-R		
01547	008030	05	FILLER		
01548	008040	05	ERR-MSG-DIF		
01549	008050	05	FILLER		
01550	008060	03	INDIV-COUNT-ERR		
01551	008070	05	FILLER		
01552	008080	03	INDIV-LINE-ERR		
01553	008090	05	FILLER		
01554	008100	03	MISSING-INDIV-DATA		
01555	008110	05	FILLER		
01556	008120	03	NBR-ANL-DIST-CT-AGE		
01557	008130	05	FILLER		
01558	008140	03	ANL-LTH-TO-EDGE-ERR		
01559	008150	05	FILLER		
01560	008160	03	AGE-LT-SPAWN-MARK		
01561	008170	05	FILLER		
01562	008180	03	MISSING-ANNUCUS		
01563	008190	05	FILLER		
01564	008200	03	IND-AGE-STAT-ERR		
01565	008210	05	FILLER		
01566	008220	03	INVALID-GEAR-MSG		
01567	008230	05	FILLER		
01568	008240	03	INVALID-GEAR-MSGX-REDEFINES-INVALID-GEAR-MSG.		

INT	NAME	BASE	DISP	RLOI	DEFINITION
DNM-67-183		BL=28	0A0	0406	DS 0CL45
DNM-67-221		BL=28	0A0	0406	DS 44C
DNM-67-235		BL=28	0D9	0450	DS 1C
DNM-67-260		BL=28	0D4	0451	DS 45C
DNM-67-293		BL=28	107	0496	DS 45C
DNM-67-326		BL=28	134	0541	DS 45C
DNM-67-356		BL=28	134	0541	DS 0CL45
DNM-67-391		BL=28	134	0541	DS 40C
DNM-67-405		BL=28	15C	0581	DS 4C
DNM-67-429		BL=28	160	0585	DS 1C
DNM-67-443		BL=28	161	0586	DS 45C
DNM-67-473		BL=28	18E	0631	DS 45C
DNM-68-000		BL=28	18E	0631	DS 0CL45
DNM-68-039		BL=28	18E	0631	DS 14C
DNM-68-053		BL=28	18C	0645	DS 5C
DNM-68-082		BL=28	1A1	0650	DS 21C
DNM-68-096		BL=28	186	0671	DS 5C
DNM-68-123		BL=28	188	0676	DS 45C
DNM-68-150		BL=28	1E8	0721	DS 45C
DNM-68-175		BL=28	1E8	0721	DS 0CL45
DNM-68-202		BL=28	1E8	0721	DS 39C
DNM-68-216		BL=28	20F	0760	DS 6C
DNM-68-240		BL=28	215	0766	DS 45C
DNM-68-266		BL=28	215	0766	DS 0CL45
DNM-68-301		BL=28	215	0766	DS 39C
DNM-68-315		BL=28	23C	0805	DS 4C
DNM-68-339		BL=28	240	0809	DS 2C
DNM-68-353		BL=28	242	0811	DS 45C
DNM-68-381		BL=28	26F	0856	DS 45C
DNM-68-408		BL=28	29C	0901	DS 45C
DNM-68-436		BL=28	2C9	0946	DS 45C
DNM-68-468		BL=28	2F6	0991	DS 45C
DNM-69-000		BL=28	323	1036	DS 45C
DNM-69-030		BL=28	350	1081	DS 45C
DNM-69-058		BL=28	370	1126	DS 45C
DNM-69-087		BL=28	3AA	1171	DS 45C
DNM-69-116		BL=28	344	1171	DS 0CL45

INT NAME	BASE	DISP	RLOI	DEFINITION
01569	008250	05	FILLER	PIC X(110).
01570	008260	05	GEAR-TYPEX	PIC 999.
01571	008270	05	FILLER	PIC X(129).
01572	008280	05	PR00-NUMBRX	PIC 999.
01573	008290	03	INVALID-STA-MSG	PIC X(45)
01574	008300	03	INVALID-STA-MSG-R	REDEFINES INVALID FOR LOC 1234567890 *
01575	008310	05	FILLER	PIC X(12).
01576	008320	05	START-NUMBRX	PIC X(15).
01577	008330	05	FILLER	PIC X(17).
01578	008340	05	START-LOCX	PIC X(10).
01579	008350	05	FILLER	PIC X.
01580	008360	03	START-LOC-ERR0R	PIC X(45)
01581	008370	03	START-LOC-ERR0R	IS INVALID FOR THIS PROGRAM NBR. *
01582	008380	03	TAG-TYPE-NBR-ERR	PIC X(45)
01583	008390	03	TAG-TYPE-NBR-ERR	INCONSISTENT-*
01584	008400	03	NBR-TAGGED-ERR	PIC X(45)
01585	008410	03	NBR-TAGGED-ERR	LESS THAN TOT. NBR. TAGGED *
01586	008420	03	INDIV-AGE-INC0NSIS	PIC X(45)
01587	008430	03	INDIV-AGE-INC0NSIS	AGE INC0NSIS0TENCY AM0NG VARS. *
01588	008440	03	INDIV-AGE-STAT-ERR2	PIC X(45)
01589	008450	03	INDIV-AGE-STAT-ERR2	AGE STATUS = 1 BUT NO AGE RECORDED *
01590	008460	03	INDIV-AGE-STAT-ERR3	PIC X(45)
01591	008470	03	INDIV-AGE-STAT-ERR3	AGE STATUS = 2 BUT NO AGE RECORDED *
01592	008480	03	INDIV-AGE-STAT-ERR4	PIC X(45)
01593	008490	03	INDIV-AGE-STAT-ERR4	AGE STATUS = 3 BUT AGE OR SPAN MARK NOT BLNK. *
01594	008500	03	SPECIFCS-GROUP-NOT-FOUND	PIC X(45)
01595	008510	03	SPECIFCS-GROUP-NOT-FOUND	NOT FOUND IN MFSP-*
01596	008520	03	SPECIFCS-GROUP-NOT-FOUND-R	REDEFINES SPECIFCS-GROUP-NOT-FOUND.
01597	008530	05	FILLER	PIC X(14).
01598	008540	05	FILLER	PIC X(10).
01599	008550	05	FILLER	PIC X(21).
01600	008560	03	INVALID-SPECIES-C0DE-6	PIC X(45)
01601	008570	03	INVALID-SPECIES-C0DE-6	INVALID SPECIES INDIV FORMAT CODE OF 6 FOUND *
01602	008580	03	NON-EQUAL-LTH-ANN-MARGIN	PIC X(45)
01603	008590	03	NON-EQUAL-LTH-ANN-MARGIN	WITH ANN-AGE = 0, ANN-LC0TH-NE ANN-L-MARGIN-*
01604	008600	03	LN0TH-LAST-ANNL-INC0NSIS	PIC X(45)
01605	008610	03	LN0TH-LAST-ANNL-INC0NSIS	PIC X(45)
01606	008620	03	LN0TH-LAST-ANNL-INC0NSIS	PIC X(45)
01607	008630	03	LN0TH-LAST-ANNL-INC0NSIS	PIC X(45)
01608	008640	03	LN0TH-LAST-ANNL-INC0NSIS	PIC X(45)
01609	008650	03	LN0TH-LAST-ANNL-INC0NSIS	PIC X(45)
01610	008660	03	LN0TH-LAST-ANNL-INC0NSIS	PIC X(45)
01611	008670	03	LN0TH-LAST-ANNL-INC0NSIS	PIC X(45)
01612	008680	03	LN0TH-LAST-ANNL-INC0NSIS	PIC X(45)
01613	008690	03	LN0TH-LAST-ANNL-INC0NSIS	PIC X(45)
01614	008700	03	LN0TH-LAST-ANNL-INC0NSIS	PIC X(45)
01615	008710	03	LN0TH-LAST-ANNL-INC0NSIS	PIC X(45)
01616	008720	03	LN0TH-LAST-ANNL-INC0NSIS	PIC X(45)
01617	008730	03	LN0TH-LAST-ANNL-INC0NSIS	PIC X(45)
01618	008740	03	LN0TH-LAST-ANNL-INC0NSIS	PIC X(45)
01619	008750	03	LN0TH-LAST-ANNL-INC0NSIS	PIC X(45)
01620	008760	03	LN0TH-LAST-ANNL-INC0NSIS	PIC X(45)
01621	008770	03	LN0TH-LAST-ANNL-INC0NSIS	PIC X(45)
01622	008780	03	LN0TH-LAST-ANNL-INC0NSIS	PIC X(45)

INT NAME	BASE	DISP	RLOI	DEFINITION
01623	008790			VALUE 'MISSING-LINE-002 FOR CODE-3 SPECIES-RECORD'
01624	008800			AGF-CONFLICT PIC X(45)
01625	008810			VALUE 'AGE CONFLICT BETWEEN INDIV & ANNULUS RECORDS'
01626	008820			DATE-REC1-REC9-ERR2 PIC X(45)
01627	008830			VALUE 'ENVR DATE(YMHDD) 123456 GT RECPY DATE 123456'
01628	008840			05 FILLER PIC X(18)
01629	008850			05 ERR-ENVIR-DATE PIC 9(6)
01630	008860			05 FILLER PIC X(11)
01631	008870			05 ERR-RECAPT-DATE PIC X(45)
01632	008880			VALUE 'DAYS OUT(1234) NE CALCD DIFF BTWN DATES(1234)'
01633	008890			03 RECAPT-DAYS-OUT-ERR-R REDEFINES-RECAPT-DAYS-OUT-ERR-R
01634	008900			05 FILLER PIC X(9)
01635	008910			05 ERR-DAYS-OUT PIC 9999
01636	008920			05 FILLER PIC X(27)
01637	008930			05 ERR-DAYS-DIFF PIC 9999
01638	008940			05 FILLER PIC X
01639	008950			05 TAG-NUMBR-ERROR PIC X(45)
01640	008960			VALUE 'TAG NUMBER (123456) IS NOT VALID
01641	008970			03 TAG-NUMBR-ERR-R REDEFINES TAG-NUMBR-ERR-R
01642	008980			05 FILLER PIC X(12)
01643	008990			05 TAG-NBR-ERROR PIC X(6)
01644	009000			05 FILLER PIC X(27)
01645	009010			05 ENVIR-DURATION-ERROR PIC X(45)
01646	009020			VALUE 'WITH GEAR=0, DURATION NE BLANK, I.E.(1234)'
01647	009030			03 ENVIR-DURATION-ERR-R REDEFINES ENVIR-DURATION-ERR-R
01648	009040			05 FILLER PIC X(4)
01649	009050			05 ENVIR-DURAT-ERR PIC X(37)
01650	009060			05 FILLER PIC X(4)
01651	009070			05 ENVIR-NO-GEAR PIC X(45)
01652	009080			VALUE 'WITH ZERO-GEAR=0, GEAR NE 0, I.E.(123)'
01653	009090			03 ENVIR-NO-GEAR-ERR-R REDEFINES ENVIR-NO-GEAR-ERR-R
01654	009100			05 FILLER PIC X(31)
01655	009110			05 ENVIR-NO-GEAR PIC XXX
01656	009120			05 FILLER PIC X(11)
01657	009130			05 ENVIR-NO-GEAR PIC X(20)
01658	009140			05 FILLER PIC X
01659	009150			05 SPAWN-CONFLICT PIC X(45)
01660	009160			VALUE 'INDIV SPAWN CNT(12) NE ANNL SPAWN CNT(12)'
01661	009170			03 SPAWN-CONFLICT-R REDEFINES SPAWN-CONFLICT-R
01662	009180			05 FILLER PIC X(16)
01663	009190			05 INDIV-SPWN PIC XX
01664	009200			05 FILLER PIC X(20)
01665	009210			05 ANNL-SPMN PIC XX
01666	009220			05 TAG-NUMBR-REPEATED PIC X(15)
01667	009230			VALUE 'TAG NMBR(123456)-REPEATED ACROSS LINE NUMBERS'
01668	009240			03 TAG-NUMBR-REPEATED-R REDEFINES TAG-NUMBR-REPEATED-R
01669	009250			05 FILLER PIC X(9)
01670	009260			05 TAG-NMBR-ERROR PIC X(6)
01671	009270			05 FILLER PIC X(30)
01672	009280			05 TAG-TYPE-ERROR PIC X(45)
01673	009290			VALUE 'THIRD TAG-TYPE(1) FOUND WITHIN SPECIES GROUP'
01674	009300			03 TAG-TYPE-ERR-R REDEFINES TAG-TYPE-ERR-R
01675	009310			05 FILLER PIC X(15)
01676	009320			

INT NAME	BASE	DISP	RLOI	DEFINITION
DNM=71-083	BL=28	67A	1891	DS 45C
DNM=71-108	BL=28	6A7	1936	DS 45C
DNM=71-141	BL=28	6A7	1936	DS OCL45
DNM=71-176	BL=28	6A7	1936	DS 18C
DNM=71-190	BL=28	6B9	1954	DS 6C
DNM=71-217	BL=28	6B8	1960	DS 15C
DNM=71-231	BL=28	6CE	1975	DS 5C
DNM=71-259	BL=28	6D4	1981	DS 45C
DNM=71-291	BL=28	6D4	1981	DS OCL45
DNM=71-328	BL=28	6D4	1981	DS 9C
DNM=71-342	BL=28	6D0	1990	DS 4C
DNM=71-367	BL=28	6E1	1994	DS 27C
DNM=71-381	BL=28	6FC	2021	DS 4C
DNM=71-404	BL=28	700	2025	DS 1C
DNM=71-418	BL=28	701	2026	DS 45C
DNM=71-443	BL=26	701	2026	DS OCL45
DNM=71-471	BL=28	701	2026	DS 12C
DNM=71-485	BL=28	700	2038	DS 6C
DNM=72-000	BL=28	713	2044	DS 27C
DNM=72-014	BL=28	728	2071	DS 45C
DNM=72-047	BL=28	72E	2071	DS OCL45
DNM=72-083	BL=28	72E	2071	DS 37C
DNM=72-097	BL=28	753	2108	DS 4C
DNM=72-125	BL=28	757	2112	DS 4C
DNM=72-139	BL=28	758	2116	DS 45C
DNM=72-168	BL=28	758	2115	DS OCL45
DNM=72-205	BL=28	758	2116	DS 31C
DNM=72-219	BL=28	77A	2147	DS 3C
DNM=72-245	BL=28	77D	2150	DS 11C
DNM=72-259	BL=28	788	2161	DS 45C
DNM=72-286	BL=28	788	2161	DS OCL45
DNM=72-318	BL=28	788	2161	DS 16C
DNM=72-332	BL=28	788	2177	DS 2C
DNM=72-355	BL=28	79A	2179	DS 20C
DNM=72-369	BL=28	7AE	2199	DS 2C
DNM=72-388	BL=28	780	2201	DS 5C
DNM=72-402	BL=28	785	2206	DS 45C
DNM=72-431	BL=28	785	2206	DS OCL45
DNM=72-468	BL=28	785	2206	DS 9C
DNM=72-482	BL=28	78E	2215	DS 6C
DNM=73-000	BL=28	7C4	2221	DS 30C
DNM=73-014	BL=28	7E2	2251	DS 45C
DNM=73-038	BL=28	7E2	2251	DS OCL45
DNM=73-070	BL=28	7E2	2251	DS 15C

38 NH100 10.43.12 APR 3, 1984

INT NAME BASE DDISP RL01 DEFINITION

LINE	INT NAME	BASE	DISP	RL01	DEFINITION
1	01677	009330	05	ERR-TAG-TYPE	PIC X(29).
2	01678	009340	05	FILLER	PIC X(45)
3	01679	009350	03	TAG-AND-SPE-CNT-ERROR	PIC X(13).
4	01680	009360	03	VALUE *NUM TAG RCPT(12345)-GT-SPEC-REC(12345) TAG(X) *	PIC X(13).
5	01681	009370	03	TAG-AND-SPE-CNT-ERROR-R REDEFINES TAG-AND-SPE-CNT-ERROR.	PIC X(13).
6	01682	009380	05	FILLER	PIC X(13).
7	01683	009390	05	ERR-TAG-CNTR	PIC X(5).
8	01684	009400	05	FILLER	PIC X(14).
9	01685	009410	05	EPR-SPE-CMTR	PIC X(5).
10	01686	009420	05	FILLER	PIC X(6).
11	01687	009430	05	ERR-TAG-TYPX	PIC X.
12	01688	009440	05	FILLER	PIC X.
13	01689	009450	03	TAG-OR-SPE-ZERO	PIC X(45)
14	01690	009460	03	VALUE *ZERO IN DATE FLD-ENVIR(123456), REPT(123456) *	PIC X(45)
15	01691	009470	03	TAG-OR-SPE-ZERO-FIELD	PIC X(45)
16	01692	009480	05	FILLER	PIC X(23).
17	01693	009490	05	Z-ENVIR-DATE	PIC X(6).
18	01694	009500	05	FILLER	PIC X(9).
19	01695	009510	05	Z-RECAPT-DATE	PIC X(6).
20	01696	009520	05	FILLER	PIC X.
21	01697	009530	03	TAG-RECAPT-DATE-CONFLICT	PIC X(45)
22	01698	009540	03	VALUE *ZERO IN DATE-FIELD, DAYS OUT-NONBLANK(1234) *	PIC X(45)
23	01699	009550	03	TAG-RECAPT-DATE-CONFLICT-R REDEFINES TAG-RECAPT-DATE-CONFLICT.	PIC X(45)
24	01700	009560	05	FILLER	PIC X(38).
25	01701	009570	05	DAY-OUT-CONFLICT	PIC XXXX.
26	01702	009580	05	FILLER	PIC XXX.
27	01703	009590	05	FILLER	PIC XXX.
28	01704	009600	03	ADDITIONAL-ERROR-MESSAGES-ADDED 2/84-BY EFF	PIC X(45)
29	01705	009610	03	DIST-TRAVELED-ERR	PIC X(45)
30	01706	009620	03	VALUE *DIST TRAVELED = 1234, BUT RECAPT LOC IS BLANK *	PIC X(45)
31	01707	009630	03	DIST-TRAVELED-ERR-R REDEFINES DIST-TRAVELED-ERR.	PIC X(45)
32	01708	009640	05	FILLER	PIC X(16).
33	01709	009650	05	ERR-DISTANCE-TRAVELED	PIC X(4).
34	01710	009660	05	FILLER	PIC X(25).
35	01711	009670	03	STATUS-NRR-ERR	PIC X(45)
36	01712	009680	03	VALUE *FOR NON-BLANK TAG NRR, STATUS MUST BE 1,2,3 *	PIC X(45)
37	01713	009690	03	FORM-OF-RECORD-TYPE-IV-ERR	PIC X(45)
38	01714	009700	03	VALUE *FORM OF REC TYPE IV = 5 AND REPLICATE NOT= 00 *	PIC X(45)
39	01715	009710	05	FILLER	PIC X(45)
40	01716	009720	05	END-OF-ADDITION-EFF	PIC X(45)

LINE	INT NAME	BASE	DISP	RL01	DEFINITION
41	DNM=73-084	BL=28	TF1	2266	DS 1C
42	DNM=73-109	BL=28	7F2	2267	DS 29C
43	DNM=73-123	BL=28	80F	2296	DS 45C
44	DNM=73-157	BL=28	80F	2296	DS 0CL45
45	DNM=73-196	BL=28	80F	2296	DS 13C
46	DNM=73-210	BL=28	81C	2309	DS 5C
47	DNM=73-235	BL=28	821	2314	DS 14C
48	DNM=73-249	BL=28	82F	2328	DS 5C
49	DNM=73-274	BL=28	834	2333	DS 6C
50	DNM=73-288	BL=28	83A	2339	DS 1C
51	DNM=73-313	BL=28	83B	2340	DS 1C
52	DNM=73-327	BL=28	83C	2341	DS 45C
53	DNM=73-361	BL=28	83C	2341	DS 0CL45
54	DNM=73-397	BL=28	83C	2341	DS 23C
55	DNM=73-411	BL=28	853	2364	DS 6C
56	DNM=73-436	BL=28	859	2370	DS 9C
57	DNM=73-450	BL=28	862	2379	DS 6C
58	DNM=73-473	BL=28	868	2385	DS 1C
59	DNM=74-000	BL=28	869	2386	DS 45C
60	DNM=74-037	BL=28	869	2386	DS 0CL45
61	DNM=74-079	BL=28	869	2386	DS 38C
62	DNM=74-093	BL=28	88F	2424	DS 4C
63	DNM=74-122	BL=28	893	2428	DS 3C
64	DNM=74-136	BL=28	896	2431	DS 45C
65	DNM=74-166	BL=28	896	2431	DS 0CL45
66	DNM=74-201	BL=28	896	2431	DS 16C
67	DNM=74-215	BL=28	8A6	2447	DS 4C
68	DNM=74-249	BL=28	8AA	2451	DS 25C
69	DNM=74-263	BL=28	8C3	2476	DS 45C
70	DNM=74-290	BL=28	8FC	2521	DS 45C

INT NAME	BASE	DISP	RL01	DEFINITION
01718	009740	01	LAST-CONTROL	PIC X.
01719	009750	03	LAST-REC-TYPE	VALUE '1'.
01720	009760	88	LAST-TYPE-ENVIR	VALUE '2'.
01721	009770	88	LAST-TYPE-REPLIC	VALUE '3'.
01722	009780	88	LAST-TYPE-SPECIES	VALUE '4'.
01723	009790	88	LAST-TYPE-INDIV	VALUE '5'.
01724	009800	88	LAST-TYPE-AMPLUS	VALUE '9'.
01725	009810	88	LAST-TYPE-TAG-RECAPT	VALUE '9'.
01726	009820	03	LAST-RECORD-KEY	PIC X(17).
01727	009830	05	LAST-SEQ-NBR	PIC X(12).
01728	009840	05	LAST-REP-NBR	
01729	009850	05	LAST-SPECIES-GROUP.	
01730	009860	07	LAST-SPECIES-CODE PIC X(10).	
01731	009870	07	LAST-SPECIES-STATUS PIC X.	
01732	009880	05	LAST-LINE-NBR	PIC X(13).
01733	009890	05	LAST-LINE-NBR-R REDEFINES LAST-LINE-NBR PIC 999.	
01734	009900	*		
01735	**000010	*****	*****	*****
01736	000020	*****	*****	*****
01737	000030	*****	*****	*****
01738	000040	*****	*****	*****
01739	000050	*****	*****	*****
01740	000060	*****	*****	*****
01741	000070	*****	*****	*****
01742	000080	*****	*****	*****
01743	000090	*****	*****	*****
01744	000100	*****	*****	*****
01745	000110	*****	*****	*****
01746	000120	*****	*****	*****
01747	000130	*****	*****	*****
01748	000140	*****	*****	*****
01749	000150	01	STATION-TABLE-1.	
01750	000160	03	FILLER PIC 9(10) COMP-3	VALUE '0004060000'.
01751	000170	03	FILLER PIC X(15)	VALUE 'CR29 CB30'.
01752	000180	03	FILLER PIC 9(10) COMP-3	VALUE '0100010000'.
01753	000190	03	FILLER PIC X(15)	VALUE '124 301 302'.
01754	000200	03	FILLER PIC 9(10) COMP-3	VALUE '0100020000'.
01755	000210	03	FILLER PIC X(15)	VALUE '306 308 2E'.
01756	000220	03	FILLER PIC 9(10) COMP-3	VALUE '0100030000'.
01757	000230	03	FILLER PIC X(15)	VALUE '310S 311 312'.
01758	000240	03	FILLER PIC 9(10) COMP-3	VALUE '0100040000'.
01759	000250	03	FILLER PIC X(15)	VALUE 'CS32'.
01760	000260	03	FILLER PIC 9(10) COMP-3	VALUE '0100050000'.
01761	000270	03	FILLER PIC X(15)	VALUE '316 CS41 CS47'.
01762	000280	03	FILLER PIC 9(10) COMP-3	VALUE '0100060000'.
01763	000290	03	FILLER PIC X(15)	VALUE '111S 112S 123'.
01764	000300	03	FILLER PIC 9(10) COMP-3	VALUE '0100080000'.
01765	000310	03	FILLER PIC X(15)	VALUE '307'.
01766	000320	03	FILLER PIC 9(10) COMP-3	VALUE '0100090000'.
01767	000330	03	FILLER PIC X(15)	VALUE 'CS20 CS21'.
01768	000340	03	FILLER PIC 9(10) COMP-3	VALUE '0101000000'.
01769	000350	03	FILLER PIC X(15)	VALUE '300 CS17'.
01770	000360	03	FILLER PIC 9(10) COMP-3	VALUE '0104000000'.
01771	000370	03	FILLER PIC X(15)	VALUE 'CS22'.

***** -INC NM100STAR PASSWORD IS ZPJR *****

***** THESE THREE TABLES ARE DIVIDED AS FOLLOWS *****

***** TABLE-1 CONTAINS THE FIRST 3 ENTRIES FOR A WATER BODY *****

***** TABLE-2 CONTAINS ENTRIES 04 THRU 42 FOR A WATER BODY *****

***** TABLE-3 CONTAINS ENTRIES 43 THRU 138 FOR A WATER BODY *****

***** EACH TABLE MUST BE IN SEQUENCE BY LOCATION NUMBER. *****

***** AN ENTRY OCCURS IN TABLES ONLY IF THEY HAVE ENTRIES *****

***** TO BE ENTERED. *****

01750	000160	03	FILLER PIC 9(10) COMP-3	VALUE '0004060000'.
01751	000170	03	FILLER PIC X(15)	VALUE 'CR29 CB30'.
01752	000180	03	FILLER PIC 9(10) COMP-3	VALUE '0100010000'.
01753	000190	03	FILLER PIC X(15)	VALUE '124 301 302'.
01754	000200	03	FILLER PIC 9(10) COMP-3	VALUE '0100020000'.
01755	000210	03	FILLER PIC X(15)	VALUE '306 308 2E'.
01756	000220	03	FILLER PIC 9(10) COMP-3	VALUE '0100030000'.
01757	000230	03	FILLER PIC X(15)	VALUE '310S 311 312'.
01758	000240	03	FILLER PIC 9(10) COMP-3	VALUE '0100040000'.
01759	000250	03	FILLER PIC X(15)	VALUE 'CS32'.
01760	000260	03	FILLER PIC 9(10) COMP-3	VALUE '0100050000'.
01761	000270	03	FILLER PIC X(15)	VALUE '316 CS41 CS47'.
01762	000280	03	FILLER PIC 9(10) COMP-3	VALUE '0100060000'.
01763	000290	03	FILLER PIC X(15)	VALUE '111S 112S 123'.
01764	000300	03	FILLER PIC 9(10) COMP-3	VALUE '0100080000'.
01765	000310	03	FILLER PIC X(15)	VALUE '307'.
01766	000320	03	FILLER PIC 9(10) COMP-3	VALUE '0100090000'.
01767	000330	03	FILLER PIC X(15)	VALUE 'CS20 CS21'.
01768	000340	03	FILLER PIC 9(10) COMP-3	VALUE '0101000000'.
01769	000350	03	FILLER PIC X(15)	VALUE '300 CS17'.
01770	000360	03	FILLER PIC 9(10) COMP-3	VALUE '0104000000'.
01771	000370	03	FILLER PIC X(15)	VALUE 'CS22'.

INT NAME	BASE	DISP	RL01	DEFINITION
DNM=74-329	9L=28 920	0001	OS	OCL24
DNM=74-357	9L=28 920	0001	OS	1C
DNM=75-065	9L=28 921	0002	OS	OCL23
DNM=75-096	9L=28 921	0002	OS	7C
DNM=75-121	9L=28 928	0009	OS	2C
DNM=75-146	9L=28 92A	0011	OS	OCL11
DNM=75-180	9L=28 934	0021	OS	1C
DNM=75-210	9L=28 935	0022	OS	3C
DNM=75-242	9L=28 935	0022	OS	3C
DNM=75-265	9L=28 935	0022	OS	3C
DNM=75-293	9L=28 938	0001	OS	OCL18039
DNM=75-324	9L=28 938	0001	OS	6P
DNM=75-338	9L=28 93E	0007	OS	15C
DNM=75-352	9L=28 940	0022	OS	6P
DNM=75-366	9L=28 953	0028	OS	15C
DNM=75-380	9L=28 962	0043	OS	6P
DNM=75-394	9L=28 968	0049	OS	15C
DNM=75-408	9L=28 977	0064	OS	6P
DNM=75-422	9L=28 970	0070	OS	15C
DNM=75-436	9L=28 98C	0085	OS	6P
DNM=75-450	9L=28 992	0091	OS	15C
DNM=75-464	9L=28 9A1	0106	OS	6P
DNM=75-478	9L=28 9A7	0112	OS	15C
DNM=75-492	9L=28 9B6	0127	OS	6P
DNM=76-000	9L=28 9BC	0133	OS	15C
DNM=76-014	9L=28 9CB	0148	OS	6P
DNM=76-028	9L=28 9D1	0154	OS	15C
DNM=76-042	9L=28 9E0	0169	OS	6P
DNM=76-056	9L=28 9E6	0175	OS	15C
DNM=76-070	9L=28 9F5	0190	OS	6P
DNM=76-084	9L=28 9FB	0196	OS	15C
DNM=76-098	9L=28 ADA	0211	OS	6P
DNM=76-112	9L=28 A10	0217	OS	15C

INT NAME BASE DISP RL01 DEFINITION

40 NM100 10.43.12 APR 3, 1984

INT NAME	BASE	DISP	RL01	DEFINITION
01772	000380	03	FILLER	PIC-9(10) COMP-3 VALUE 0108000000.
01773	000390	03	FILLER	PIC-X(15) VALUE *313
01774	000400	03	FILLER	PIC-9(10) COMP-3 VALUE 0111000000.
01775	000410	03	FILLER	PIC-X(15) VALUE *314 3E 3ME *
01776	000420	03	FILLER	PIC-9(10) COMP-3 VALUE 0113000000.
01777	000430	03	FILLER	PIC-X(15) VALUE *3 315 CS30 *
01778	000440	03	FILLER	PIC-9(10) COMP-3 VALUE 0114000000.
01779	000450	03	FILLER	PIC-X(15) VALUE *317S 318 319S *
01780	000460	03	FILLER	PIC-9(10) COMP-3 VALUE 0114020000.
01781	000470	03	FILLER	PIC-X(15) VALUE *320 CS51
01782	000480	03	FILLER	PIC-9(10) COMP-3 VALUE 0114020100.
01783	000490	03	FILLER	PIC-X(15) VALUE *1 4 5
01784	000500	03	FILLER	PIC-9(10) COMP-3 VALUE 0114020201.
01785	000510	03	FILLER	PIC-X(15) VALUE *2
01786	000520	03	FILLER	PIC-9(10) COMP-3 VALUE C200010000.
01787	000530	03	FILLER	PIC-X(15) VALUE *69 T3 CR2 *
01788	000540	03	FILLER	PIC-9(10) COMP-3 VALUE 0200020000.
01789	000550	03	FILLER	PIC-X(15) VALUE *139 S1 S2 *
01790	000560	03	FILLER	PIC-9(10) COMP-3 VALUE 0200030000.
01791	000570	03	FILLER	PIC-X(15) VALUE *153 S7 S8 *
01792	000580	03	FILLER	PIC-9(10) COMP-3 VALUE 0200040000.
01793	000590	03	FILLER	PIC-X(15) VALUE *140 152 129 *
01794	000600	03	FILLER	PIC-9(10) COMP-3 VALUE 0200050000.
01795	000610	03	FILLER	PIC-X(15) VALUE *138 141 149 *
01796	000620	03	FILLER	PIC-9(10) COMP-3 VALUE 0200060000.
01797	000630	03	FILLER	PIC-X(15) VALUE *151 AS25 W1 *
01798	000640	03	FILLER	PIC-9(10) COMP-3 VALUE 0200070000.
01799	000650	03	FILLER	PIC-X(15) VALUE *127S 136 137 *
01800	000660	03	FILLER	PIC-9(10) COMP-3 VALUE 0200080000.
01801	000670	03	FILLER	PIC-X(15) VALUE *130S 142 150 *
01802	000680	03	FILLER	PIC-9(10) COMP-3 VALUE 0200090000.
01803	000690	03	FILLER	PIC-X(15) VALUE *126S E11 E12 *
01804	000700	03	FILLER	PIC-9(10) COMP-3 VALUE 0200100000.
01805	000710	03	FILLER	PIC-X(15) VALUE *8 AS28 A10 *
01806	000720	03	FILLER	PIC-9(10) COMP-3 VALUE 0200110000.
01807	000730	03	FILLER	PIC-X(15) VALUE *27S 135 AS16 *
01808	000740	03	FILLER	PIC-9(10) COMP-3 VALUE 0200120000.
01809	000750	03	FILLER	PIC-X(15) VALUE *144 144S AS33 *
01810	000760	03	FILLER	PIC-9(10) COMP-3 VALUE 0200130000.
01811	000770	03	FILLER	PIC-X(15) VALUE *134 AS7 *
01812	000780	03	FILLER	PIC-9(10) COMP-3 VALUE 0200140000.
01813	000790	03	FILLER	PIC-X(15) VALUE *145 145S 5 *
01814	000800	03	FILLER	PIC-9(10) COMP-3 VALUE 0200160000.
01815	000810	03	FILLER	PIC-X(15) VALUE *131S 4 25 *
01816	000820	03	FILLER	PIC-9(10) COMP-3 VALUE 0200170000.
01817	000830	03	FILLER	PIC-X(15) VALUE *125 125S 132 *
01818	000840	03	FILLER	PIC-9(10) COMP-3 VALUE 0200180000.
01819	000850	03	FILLER	PIC-X(15) VALUE *146 147S 26 *
01820	000860	03	FILLER	PIC-9(10) COMP-3 VALUE 0201000000.
01821	000870	03	FILLER	PIC-X(15) VALUE *1S 2S 4 *
01822	000880	03	FILLER	PIC-9(10) COMP-3 VALUE 0201020000.
01823	000890	03	FILLER	PIC-X(15) VALUE *1S 6 NR1 *
01824	000900	03	FILLER	PIC-9(10) COMP-3 VALUE 0201030000.
01825	000910	03	FILLER	PIC-X(15) VALUE *18 D16 *

INT NAME	BASE	DISP	RLOI	DEFINITION
01880	001460	03	FILLER	PIC 9(10) COMP-3 VALUE 0202090000.
01881	001470	03	FILLER	PIC X(15) VALUE '30
01882	001480	03	FILLER	PIC 9(10) COMP-3 VALUE 0202100000.
01883	001490	03	FILLER	PIC X(15) VALUE '10
01884	001500	03	FILLER	PIC 9(10) COMP-3 VALUE 0202110000.
01885	001510	03	FILLER	PIC X(15) VALUE '8
01886	001520	03	FILLER	PIC 9(10) COMP-3 VALUE 0202120000.
01887	001530	03	FILLER	PIC X(15) VALUE '9
01888	001540	03	FILLER	PIC 9(10) COMP-3 VALUE 0202140000.
01889	001550	03	FILLER	PIC X(15) VALUE '6 C6 24
01890	001560	03	FILLER	PIC 9(10) COMP-3 VALUE 0202150000.
01891	001570	03	FILLER	PIC X(15) VALUE '19 20
01892	001580	03	FILLER	PIC 9(10) COMP-3 VALUE 0203000000.
01893	001590	03	FILLER	PIC X(15) VALUE '26 25 8F2
01894	001600	03	FILLER	PIC 9(10) COMP-3 VALUE 0203010000.
01895	001610	03	FILLER	PIC X(15) VALUE '14
01896	001620	03	FILLER	PIC 9(10) COMP-3 VALUE 0203020000.
01897	001630	03	FILLER	PIC X(15) VALUE '15
01898	001640	03	FILLER	PIC 9(10) COMP-3 VALUE 0204000000.
01899	001650	03	FILLER	PIC X(15) VALUE '27S 29 32S
01900	001660	03	FILLER	PIC 9(10) COMP-3 VALUE 0204010000.
01901	001670	03	FILLER	PIC X(15) VALUE '31 2 30
01902	001680	03	FILLER	PIC 9(10) COMP-3 VALUE 0204020000.
01903	001690	03	FILLER	PIC X(15) VALUE '5 A1
01904	001700	03	FILLER	PIC 9(10) COMP-3 VALUE 0204030000.
01905	001710	03	FILLER	PIC X(15) VALUE '4 A4 A6
01906	001720	03	FILLER	PIC 9(10) COMP-3 VALUE 0205000000.
01907	001730	03	FILLER	PIC X(15) VALUE '33S 34S 35
01908	001740	03	FILLER	PIC 9(10) COMP-3 VALUE 0205010000.
01909	001750	03	FILLER	PIC X(15) VALUE '12
01910	001760	03	FILLER	PIC 9(10) COMP-3 VALUE 0205030000.
01911	001770	03	FILLER	PIC X(15) VALUE '2 16 18
01912	001780	03	FILLER	PIC 9(10) COMP-3 VALUE 0205040000.
01913	001790	03	FILLER	PIC X(15) VALUE '4 7 9
01914	001800	03	FILLER	PIC 9(10) COMP-3 VALUE 0205050000.
01915	001810	03	FILLER	PIC X(15) VALUE '1 6 23
01916	001820	03	FILLER	PIC 9(10) COMP-3 VALUE 0205060000.
01917	001830	03	FILLER	PIC X(15) VALUE '10 11 17
01918	001840	03	FILLER	PIC 9(10) COMP-3 VALUE 0205070000.
01919	001850	03	FILLER	PIC X(15) VALUE '21
01920	001860	03	FILLER	PIC 9(10) COMP-3 VALUE 0205080000.
01921	001870	03	FILLER	PIC X(15) VALUE '22
01922	001880	03	FILLER	PIC 9(10) COMP-3 VALUE 0206000000.
01923	001890	03	FILLER	PIC X(15) VALUE '39S 41 40
01924	001900	03	FILLER	PIC 9(10) COMP-3 VALUE 0206010000.
01925	001910	03	FILLER	PIC X(15) VALUE '4 45 44
01926	001920	03	FILLER	PIC 9(10) COMP-3 VALUE 0206020000.
01927	001930	03	FILLER	PIC X(15) VALUE '2 6 8
01928	001940	03	FILLER	PIC 9(10) COMP-3 VALUE 0206030000.
01929	001950	03	FILLER	PIC X(15) VALUE '3 5 7
01930	001960	03	FILLER	PIC 9(10) COMP-3 VALUE 0206040000.
01931	001970	03	FILLER	PIC X(15) VALUE '1 42 11
01932	001980	03	FILLER	PIC 9(10) COMP-3 VALUE 0207000000.
01933	001990	03	FILLER	PIC X(15) VALUE '49 50 29
DNM=79-126	8L=28 E8D			1366 DS 6P
DNM=79-140	8L=28 E93			1372 CS 15C
DNM=79-154	8L=28 E42			1387 DS 6P
DNM=79-168	8L=28 EAB			1393 DS 15C
DNM=79-182	8L=28 E87			1408 DS 6P
DNM=79-196	8L=28 E80			1414 CS 15C
DNM=79-210	8L=28 ECC			1429 DS 6P
DNM=79-224	8L=28 ED2			1435 DS 15C
DNM=79-238	8L=28 EE1			1450 CS 6P
DNM=79-252	8L=28 EE7			1456 DS 15C
DNM=79-266	8L=28 EF6			1471 DS 6P
DNM=79-280	8L=28 EFC			1477 DS 15C
DNM=79-294	8L=28 F08			1492 DS 6P
DNM=79-308	8L=28 F11			1498 DS 15C
DNM=79-322	8L=28 F20			1513 DS 6P
DNM=79-336	8L=28 F26			1519 DS 15C
DNM=79-350	8L=28 F35			1534 DS 6P
DNM=79-364	8L=28 F38			1540 DS 15C
DNM=79-378	8L=28 F44			1555 DS 6P
DNM=79-392	8L=28 F50			1561 DS 15C
DNM=79-406	8L=28 F5F			1576 DS 6P
DNM=79-420	8L=28 F65			1582 DS 15C
DNM=79-434	8L=28 F74			1597 DS 6P
DNM=79-448	8L=28 F7A			1603 DS 15C
DNM=79-462	8L=28 F89			1618 DS 6P
DNM=79-476	8L=28 F8F			1624 DS 15C
DNM=79-490	8L=28 F9E			1639 DS 6P
DNM=80-000	8L=28 FA4			1645 DS 15C
DNM=80-014	8L=28 F83			1660 DS 6P
DNM=80-028	8L=28 F89			1666 DS 15C
DNM=80-042	8L=28 FC8			1681 DS 6P
DNM=80-056	8L=28 FCE			1687 DS 15C
DNM=80-070	8L=28 FDD			1702 CS 6P
DNM=80-084	8L=28 FE3			1708 DS 15C
DNM=80-098	8L=28 FF2			1723 DS 6P
DNM=80-112	8L=28 FF8			1729 DS 15C
DNM=80-126	8L=29 007			1744 DS 6P
DNM=80-140	8L=29 00D			1750 DS 15C
DNM=80-154	8L=29 01C			1755 DS 6P
DNM=80-168	8L=29 022			1771 DS 15C
DNM=80-182	8L=29 031			1786 DS 6P
DNM=80-196	8L=29 037			1792 DS 15C
DNM=80-210	8L=29 046			1807 DS 6P
DNM=80-224	8L=29 04C			1813 DS 15C
DNM=80-238	8L=29 058			1828 DS 6P
DNM=80-252	8L=29 061			1834 DS 15C
DNM=80-266	8L=29 070			1849 DS 6P
DNM=80-280	8L=29 076			1855 DS 15C
DNM=80-294	8L=29 085			1870 CS 6P
DNM=80-308	8L=29 088			1876 DS 15C
DNM=80-322	8L=29 09A			1891 DS 6P
DNM=80-336	8L=29 0A0			1897 DS 15C
DNM=80-350	8L=29 0AF			1912 DS 6P
DNM=80-364	8L=29 0B5			1918 DS 15C

INT NAME	BASE	DISP	RLOI	DEFINITION
DMN=80-378	BL=29	OC4	1933	OS 6P
DMN=80-392	BL=29	OCA	1939	OS 15C
DMN=80-406	BL=29	ODF	1954	OS 6P
DMN=80-420	BL=29	ODF	1960	OS 15C
DMN=80-434	BL=29	OEE	1975	OS 6P
DMN=80-448	BL=29	OF4	1981	OS 15C
DMN=80-462	BL=29	103	1996	OS 6P
DMN=80-476	BL=29	109	2002	OS 15C
DMN=80-490	BL=29	118	2017	OS 6P
DMN=81-000	BL=29	11E	2023	OS 15C
DMN=81-014	BL=29	120	2038	OS 6P
DMN=81-028	BL=29	133	2044	OS 15C
DMN=81-042	BL=29	142	2059	OS 6P
DMN=81-056	BL=29	148	2065	OS 15C
DMN=81-070	BL=29	157	2080	OS 6P
DMN=81-084	BL=29	150	2086	OS 15C
DMN=81-098	BL=29	16C	2101	OS 6P
DMN=81-112	BL=29	172	2107	OS 15C
DMN=81-126	BL=29	181	2122	OS 6P
DMN=81-140	BL=29	187	2128	OS 15C
DMN=81-154	BL=29	196	2143	OS 6P
DMN=81-168	BL=29	19C	2149	OS 15C
DMN=81-182	BL=29	1A9	2164	OS 6P
DMN=81-196	BL=29	1B1	2170	OS 15C
DMN=81-210	BL=29	1C0	2185	OS 6P
DMN=81-224	BL=29	1C6	2191	OS 15C
DMN=81-238	BL=29	1D5	2206	OS 6P
DMN=81-252	BL=29	1D8	2212	OS 15C
DMN=81-266	BL=29	1EA	2227	OS 6P
DMN=81-280	BL=29	1F0	2233	OS 15C
DMN=81-294	BL=29	1FF	2248	OS 6P
DMN=81-308	BL=29	205	2254	OS 15C
DMN=81-322	BL=29	214	2269	OS 6P
DMN=81-336	BL=29	21A	2275	OS 15C
DMN=81-350	BL=29	229	2290	OS 6P
DMN=81-364	BL=29	22F	2296	OS 15C
DMN=81-378	BL=29	23E	2311	OS 6P
DMN=81-392	BL=29	244	2317	OS 15C
DMN=81-406	BL=29	253	2332	OS 6P
DMN=81-420	BL=29	259	2338	OS 15C
DMN=81-434	BL=29	268	2353	OS 6P
DMN=81-448	BL=29	26E	2359	OS 15C
DMN=81-462	BL=29	270	2374	OS 6P
DMN=81-476	BL=29	283	2380	OS 15C
DMN=81-490	BL=29	292	2395	OS 6P
DMN=82-000	BL=29	298	2401	OS 15C
DMN=82-014	BL=29	2A7	2416	OS 6P
DMN=82-028	BL=29	2A0	2422	OS 15C
DMN=82-042	BL=29	2BC	2437	OS 6P
DMN=82-056	BL=29	2C2	2443	OS 15C
DMN=82-070	BL=29	2D1	2458	OS 6P
DMN=82-084	BL=29	2D7	2464	OS 15C
DMN=82-098	BL=29	2E6	2479	OS 6P
DMN=82-112	BL=29	2EC	2485	OS 15C

45 NW100 10-43-12 APR 3, 1984

INT NAME	BASE	DISP	RLOI	DEFINITION
DNM=83-378	BL=29	532	3067	DS 6P
DNM=83-392	BL=29	536	3073	DS 15C
DNM=83-405	BL=29	547	3088	DS 6P
DNM=83-420	BL=29	540	3094	DS 15C
DNM=83-434	BL=29	55C	3109	DS 6P
DNM=83-448	BL=29	562	3115	DS 15C
DNM=83-462	BL=29	571	3130	DS 6P
DNM=83-476	BL=29	577	3136	DS 15C
DNM=83-490	BL=29	586	3151	DS 6P
DNM=84-000	BL=29	58C	3157	DS 15C
DNM=84-014	BL=29	598	3172	DS 6P
DNM=84-028	BL=29	5A1	3178	DS 15C
DNM=84-042	BL=29	580	3193	DS 6P
DNM=84-056	BL=29	586	3199	DS 15C
DNM=84-070	BL=29	5C5	3214	DS 6P
DNM=84-084	BL=29	5C8	3220	DS 15C
DNM=84-098	BL=29	5DA	3225	DS 6P
DNM=84-112	BL=29	5E0	3241	DS 15C
DNM=84-126	BL=29	5E5	3256	DS 6P
DNM=84-140	BL=29	5F5	3262	DS 15C
DNM=84-154	BL=29	604	3277	DS 6P
DNM=84-168	BL=29	60A	3283	DS 15C
DNM=84-182	BL=29	619	3298	DS 6P
DNM=84-196	BL=29	62E	3304	DS 15C
DNM=84-210	BL=29	62E	3319	DS 6P
DNM=84-224	BL=29	634	3325	DS 15C
DNM=84-238	BL=29	643	3340	DS 6P
DNM=84-252	BL=29	649	3346	DS 15C
DNM=84-266	BL=29	65A	3361	DS 6P
DNM=84-280	BL=29	65E	3367	DS 15C
DNM=84-294	BL=29	660	3382	DS 6P
DNM=84-308	BL=29	673	3388	DS 15C
DNM=84-322	BL=29	682	3403	DS 6P
DNM=84-336	BL=29	688	3409	DS 15C
DNM=84-350	BL=29	697	3424	DS 6P
DNM=84-364	BL=29	6A0	3430	DS 15C
DNM=84-378	BL=29	6AC	3445	DS 6P
DNM=84-392	BL=29	6B2	3451	DS 15C
DNM=84-406	BL=29	6C1	3466	DS 6P
DNM=84-420	BL=29	6C7	3472	DS 15C
DNM=84-434	BL=29	6D6	3487	DS 6P
DNM=84-448	BL=29	6DC	3493	DS 15C
DNM=84-462	BL=29	6EB	3508	DS 6P
DNM=84-476	BL=29	6F1	3514	DS 15C
DNM=84-490	BL=29	700	3529	DS 6P
DNM=85-000	BL=29	706	3535	DS 15C
DNM=85-014	BL=29	715	3550	DS 6P
DNM=85-028	BL=29	718	3556	DS 15C
DNM=85-042	BL=29	72A	3571	DS 6P
DNM=85-056	BL=29	730	3577	DS 15C
DNM=85-070	BL=29	73F	3592	DS 6P
DNM=85-084	BL=29	745	3598	DS 15C
DNM=85-098	BL=29	754	3613	DS 6P
DNM=85-112	BL=29	75A	3619	DS 15C

INT NAME	BASE	DISP	RLOI	DEFINITION
DNM=86-378	BL=29	9A0	4201	DS 6P
DNM=86-392	BL=29	9A6	4207	DS 15C
DNM=86-406	BL=29	905	4222	DS 6P
DNM=86-420	BL=29	98B	4228	DS 15C
DNM=86-434	BL=29	9CA	4243	DS 6P
DNM=86-448	BL=29	900	4249	DS 15C
DNM=86-462	BL=29	9DF	4264	DS 6P
DNM=86-476	BL=29	9F5	4270	DS 15C
DNM=86-490	BL=29	9F4	4285	DS 6P
DNM=87-000	BL=29	9FA	4291	DS 15C
DNM=87-014	BL=29	A09	4306	DS 6P
DNM=87-028	BL=29	A0F	4312	DS 15C
DNM=87-042	BL=29	A1E	4327	DS 6P
DNM=87-056	BL=29	A24	4333	DS 15C
DNM=87-070	BL=29	A33	4348	DS 6P
DNM=87-084	BL=29	A39	4354	DS 15C
DNM=87-098	BL=29	A48	4369	DS 6P
DNM=87-112	BL=29	A4E	4375	DS 15C
DNM=87-126	BL=29	A5D	4390	DS 6P
DNM=87-140	BL=29	A63	4396	DS 15C
DNM=87-154	BL=29	A72	4411	DS 6P
DNM=87-168	BL=29	A78	4417	DS 15C
DNM=87-182	BL=29	A87	4432	DS 6P
DNM=87-196	BL=29	A8D	4438	DS 15C
DNM=87-210	BL=29	A9C	4453	DS 6P
DNM=87-224	BL=29	AA2	4459	DS 15C
DNM=87-238	BL=29	AB1	4474	DS 6P
DNM=87-252	BL=29	AB7	4480	DS 15C
DNM=87-266	BL=29	AC6	4495	DS 6P
DNM=87-280	BL=29	ACC	4501	DS 15C
DNM=87-294	BL=29	A0B	4516	DS 6P
DNM=87-308	BL=29	AE1	4522	DS 15C
DNM=87-322	BL=29	AF0	4537	DS 6P
DNM=87-336	BL=29	AF6	4543	DS 15C
DNM=87-350	BL=29	B05	4558	DS 6P
DNM=87-364	BL=29	B0B	4564	DS 15C
DNM=87-378	BL=29	B1A	4579	DS 6P
DNM=87-392	BL=29	B20	4585	DS 15C
DNM=87-406	BL=29	B2F	4600	DS 6P
DNM=87-420	BL=29	B35	4606	DS 15C
DNM=87-434	BL=29	B44	4621	DS 6P
DNM=87-448	BL=29	B4A	4627	DS 15C
DNM=87-462	BL=29	B59	4642	DS 6P
DNM=87-476	BL=29	B5F	4648	DS 15C
DNM=87-490	BL=29	B6E	4663	DS 6P
DNM=88-000	BL=29	B74	4669	DS 15C
DNM=88-014	BL=29	B83	4684	DS 6P
DNM=88-028	BL=29	B89	4690	DS 15C
DNM=88-042	BL=29	B98	4705	DS 6P
DNM=88-056	BL=29	B9E	4711	DS 15C
DNM=88-070	BL=29	BA0	4726	DS 6P
DNM=88-084	BL=29	BA3	4732	DS 15C
DNM=88-098	BL=29	BC2	4747	DS 6P
DNM=88-112	BL=29	BC8	4753	DS 15C

INT NAME	BASE	DISP	RLO1	DEFINITION
DNM=88-126	BL=29	8D7	4768	DS 6P
DNM=88-140	BL=29	8D0	4774	DS 15C
DNM=88-154	BL=29	8FC	4789	DS 6P
DNM=88-168	BL=29	8F2	4795	DS 15C
DNM=88-182	BL=29	C01	4810	DS 6P
DNM=88-196	BL=29	C07	4816	DS 15C
DNM=88-210	BL=29	C16	4831	DS 6P
DNM=88-224	BL=29	C1C	4837	DS 15C
DNM=88-238	BL=29	C28	4852	DS 6P
DNM=88-252	BL=29	C31	4858	DS 15C
DNM=88-266	BL=29	C40	4873	DS 6P
DNM=88-280	BL=29	C46	4879	DS 15C
DNM=88-294	BL=29	C55	4894	DS 6P
DNM=88-308	BL=29	C5B	4900	DS 15C
DNM=88-322	BL=29	C6A	4915	DS 6P
DNM=88-336	BL=29	C70	4921	DS 15C
DNM=88-350	BL=29	C7F	4936	DS 6P
DNM=88-364	BL=29	C85	4942	DS 15C
DNM=88-378	BL=29	C94	4957	DS 6P
DNM=88-392	BL=29	C9A	4963	DS 15C
DNM=88-406	BL=29	C99	4978	DS 6P
DNM=88-420	BL=29	CAF	4984	DS 15C
DNM=88-434	BL=29	CBE	4999	DS 6P
DNM=88-448	BL=29	CC4	5005	DS 15C
DNM=88-462	BL=29	CD3	5020	DS 6P
DNM=88-476	BL=29	CD9	5026	DS 15C
DNM=88-490	BL=29	CE8	5041	DS 6P
DNM=89-000	BL=29	CEE	5047	DS 15C
DNM=89-014	BL=29	CFD	5062	DS 6P
DNM=89-028	BL=29	CG3	5068	DS 15C
DNM=89-042	BL=29	D12	5083	DS 6P
DNM=89-056	BL=29	D18	5089	DS 15C
DNM=89-070	BL=29	D27	5104	DS 6P
DNM=89-084	BL=29	D2D	5110	DS 15C
DNM=89-098	BL=29	D3C	5125	DS 6P
DNM=89-112	BL=29	D42	5131	DS 15C
DNM=89-126	BL=29	D51	5146	DS 6P
DNM=89-140	BL=29	D57	5152	DS 15C
DNM=89-154	BL=29	D66	5167	DS 6P
DNM=89-168	BL=29	D6C	5173	DS 15C
DNM=89-182	BL=29	D7B	5188	DS 6P
DNM=89-196	BL=29	D81	5194	DS 15C
DNM=89-210	BL=29	D90	5209	DS 6P
DNM=89-224	BL=29	D96	5215	DS 15C
DNM=89-238	BL=29	DA5	5230	DS 6P
DNM=89-252	BL=29	DAB	5236	DS 15C
DNM=89-266	BL=29	D8A	5251	DS 6P
DNM=89-280	BL=29	DC0	5257	DS 15C
DNM=89-294	BL=29	DCF	5272	DS 6P
DNM=89-308	BL=29	DD5	5278	DS 15C
DNM=89-322	BL=29	DEA	5293	DS 6P
DNM=89-336	BL=29	DEA	5299	DS 15C
DNM=89-350	BL=29	DF9	5314	DS 6P
DNM=89-364	BL=29	OFF	5320	DS 15C

INT NAME	BASE	DISP	RLO1	DEFINITION
DNM-91-126	9L=30	045	2290	DS 6P
DNM-91-140	8L=30	048	2284	DS 15C
DNM-91-154	8L=30	05A	2269	DS 6P
DNM-91-169	8L=30	060	2263	DS 15C
DNM-91-182	8L=30	06F	2248	DS 6P
DNM-91-196	8L=30	075	2242	DS 15C
DNM-91-210	8L=30	084	2227	DS 6P
DNM-91-224	8L=30	09A	2221	DS 15C
DNM-91-238	8L=30	099	2206	DS 6P
DNM-91-252	8L=30	09F	2200	DS 15C
DNM-91-266	8L=30	0AE	2185	DS 6P
DNM-91-280	8L=30	0B4	2179	DS 15C
DNM-91-294	8L=30	0C3	2164	DS 6P
DNM-91-308	8L=30	0C9	2158	DS 15C
DNM-91-322	8L=30	0D8	2143	DS 6P
DNM-91-336	8L=30	0DE	2137	DS 15C
DNM-91-350	8L=30	0ED	2122	DS 6P
DNM-91-364	8L=30	0F3	2116	DS 15C
DNM-91-378	8L=30	102	2101	DS 6P
DNM-91-392	8L=30	108	2095	DS 15C
DNM-91-406	8L=30	117	2080	DS 6P
DNM-91-420	8L=30	110	2074	DS 15C
DNM-91-434	8L=30	12C	2059	DS 6P
DNM-91-448	8L=30	132	2053	DS 15C
DNM-91-462	8L=30	141	2038	DS 6P
DNM-91-476	8L=30	147	2032	DS 15C
DNM-91-490	8L=30	156	2017	DS 6P
DNM-92-000	8L=30	15C	2011	DS 15C
DNM-92-014	8L=30	168	1996	DS 6P
DNM-92-028	8L=30	171	1990	DS 15C
DNM-92-042	8L=30	180	1975	DS 6P
DNM-92-056	8L=30	186	1969	DS 15C
DNM-92-070	8L=30	195	1954	DS 6P
DNM-92-084	8L=30	198	1948	DS 15C
DNM-92-098	8L=30	1AA	1933	DS 6P
DNM-92-112	8L=30	180	1927	DS 15C
DNM-92-126	8L=30	1BF	1912	DS 6P
DNM-92-140	8L=30	1C5	1906	DS 15C
DNM-92-154	8L=30	1D4	1891	DS 6P
DNM-92-168	8L=30	1DA	1885	DS 15C
DNM-92-182	8L=30	1E9	1870	DS 6P
DNM-92-196	8L=30	1EF	1864	DS 15C
DNM-92-210	8L=30	1FE	1849	DS 6P
DNM-92-224	8L=30	204	1843	DS 15C
DNM-92-238	8L=30	213	1828	DS 6P
DNM-92-252	8L=30	219	1822	DS 15C
DNM-92-266	8L=30	228	1807	DS 6P
DNM-92-280	8L=30	22E	1801	DS 15C
DNM-92-294	8L=30	23D	1786	DS 6P
DNM-92-308	8L=30	243	1780	DS 15C
DNM-92-322	8L=30	252	1765	DS 6P
DNM-92-336	8L=30	258	1759	DS 15C
DNM-92-350	8L=30	267	1744	DS 6P
DNM-92-364	8L=30	260	1738	DS 15C

02312 005780 03 FILLER PIC 9(10) COMP-3 VALUE *0504000000.
02313 005790 03 FILLER PIC X(15) VALUE *LSR1ILSR12
02314 005800 03 FILLER PIC 9(10) COMP-3 VALUE *0506000000.
02315 005810 03 FILLER PIC X(15) VALUE *FC1 FC2 FC8
02316 005820 03 FILLER PIC 9(10) COMP-3 VALUE *0506010000.
02317 005830 03 FILLER PIC X(15) VALUE *FC5
02318 005840 03 FILLER PIC 9(10) COMP-3 VALUE *0506020000.
02319 005850 03 FILLER PIC X(15) VALUE *FC7
02320 005860 03 FILLER PIC 9(10) COMP-3 VALUE *0506030000.
02321 005870 03 FILLER PIC X(15) VALUE *FC6
02322 005880 03 FILLER PIC 9(10) COMP-3 VALUE *0509000000.
02323 005890 03 FILLER PIC X(15) VALUE *FC4 FC10
02324 005900 03 FILLER PIC 9(10) COMP-3 VALUE *0509010000.
02325 005910 03 FILLER PIC X(15) VALUE *FC3 3F5
02326 005920 03 FILLER PIC 9(10) COMP-3 VALUE *0513000000.
02327 005930 03 FILLER PIC X(15) VALUE *FC5A
02328 005940 03 FILLER PIC 9(10) COMP-3 VALUE *0514000000.
02329 005950 03 FILLER PIC X(15) VALUE *WB1 WB2 WB5
02330 005960 03 FILLER PIC 9(10) COMP-3 VALUE *0514010000.
02331 005970 03 FILLER PIC X(15) VALUE *WB4
02332 005980 03 FILLER PIC 9(10) COMP-3 VALUE *0514020000.
02333 005990 03 FILLER PIC X(15) VALUE *3F4
02334 006000 03 FILLER PIC 9(10) COMP-3 VALUE *0514030000.
02335 006010 03 FILLER PIC X(15) VALUE *WB3 WB6 WB3A
02336 006020 03 FILLER PIC 9(10) COMP-3 VALUE *0514040000.
02337 006030 03 FILLER PIC X(15) VALUE *WB10
02338 006040 03 FILLER PIC 9(10) COMP-3 VALUE *0514050000.
02339 006050 03 FILLER PIC X(15) VALUE *WB11 WB4A
02340 006060 03 FILLER PIC 9(10) COMP-3 VALUE *0514050100.
02341 006070 03 FILLER PIC X(15) VALUE *WB9
02342 006080 03 FILLER PIC 9(10) COMP-3 VALUE *0514060000.
02343 006090 03 FILLER PIC X(15) VALUE *WB8
02344 006100 03 FILLER PIC 9(10) COMP-3 VALUE *0516000000.
02345 006110 03 FILLER PIC X(15) VALUE *0C2 3F1 3F2
02346 006120 03 FILLER PIC 9(10) COMP-3 VALUE *0516010200.
02347 006130 03 FILLER PIC X(15) VALUE *3E1
02348 006140 03 FILLER PIC 9(10) COMP-3 VALUE *0516010300.
02349 006150 03 FILLER PIC X(15) VALUE *2E1
02350 006160 03 FILLER PIC 9(10) COMP-3 VALUE *0516010500.
02351 006170 03 FILLER PIC X(15) VALUE *M1A M10
02352 006180 03 FILLER PIC 9(10) COMP-3 VALUE *0518000000.
02353 006190 03 FILLER PIC X(15) VALUE *CC4
02354 006200 03 FILLER PIC 9(10) COMP-3 VALUE *0518010000.
02355 006210 03 FILLER PIC X(15) VALUE *FC1
02356 006220 03 FILLER PIC 9(10) COMP-3 VALUE *0519000000.
02357 006230 03 FILLER PIC X(15) VALUE *CC3
02358 006240 03 FILLER PIC 9(10) COMP-3 VALUE *0520000000.
02359 006250 03 FILLER PIC X(15) VALUE *JB4
02360 006260 03 FILLER PIC 9(10) COMP-3 VALUE *0521000000.
02361 006270 03 FILLER PIC X(15) VALUE *JB2 JB5 JB7
02362 006280 03 FILLER PIC 9(10) COMP-3 VALUE *0521010000.
02363 006290 03 FILLER PIC X(15) VALUE *JB8
02364 006300 03 FILLER PIC 9(10) COMP-3 VALUE *0521020000.
02365 006310 03 FILLER PIC X(15) VALUE *JB6

INT	NAME	BASE	DISP	RLO1	DEFINITION
2	DNM=92-379	BL=30	27C	1723	DS-6P
3	DNM=92-392	BL=30	282	1717	DS 15C
4	DNM=92-406	BL=30	291	1702	DS 6P
5	DNM=92-420	BL=30	297	1696	OS 15C
6	DNM=92-434	BL=30	246	1681	OS 6P
7	DNM=92-448	BL=30	248	1675	OS 15C
8	DNM=92-462	BL=30	288	1660	OS 6P
9	DNM=92-476	BL=30	2C1	1654	OS 15C
10	DNM=92-490	BL=30	200	1639	OS 6P
11	DNM=93-000	BL=30	206	1633	OS 15C
12	DNM=93-014	BL=30	2E5	1618	OS 6P
13	DNM=93-028	BL=30	2E8	1612	OS 15C
14	DNM=93-042	BL=30	2FA	1597	OS 6P
15	DNM=93-056	BL=30	300	1591	DS 15C
16	DNM=93-070	BL=30	30F	1576	DS 6P
17	DNM=93-084	BL=30	315	1570	OS 15C
18	DNM=93-098	BL=30	324	1555	OS 6P
19	DNM=93-112	BL=30	32A	1549	OS 15C
20	DNM=93-126	BL=30	339	1534	OS 6P
21	DNM=93-140	BL=30	33F	1528	OS 15C
22	DNM=93-154	BL=30	34E	1513	DS 6P
23	DNM=93-168	BL=30	354	1507	DS 15C
24	DNM=93-182	BL=30	363	1492	DS 6P
25	DNM=93-196	BL=30	369	1486	OS 15C
26	DNM=93-210	BL=30	378	1471	DS 6P
27	DNM=93-224	BL=30	37E	1465	OS 15C
28	DNM=93-238	BL=30	380	1450	DS 6P
29	DNM=93-252	BL=30	393	1444	OS 15C
30	DNM=93-266	BL=30	3A2	1429	OS 6P
31	DNM=93-280	BL=30	3A8	1423	DS 15C
32	DNM=93-294	BL=30	3B7	1408	OS 6P
33	DNM=93-308	BL=30	38D	1402	OS 15C
34	DNM=93-322	BL=30	3CC	1387	OS 6P
35	DNM=93-336	BL=30	3E2	1381	OS 15C
36	DNM=93-350	BL=30	3E1	1366	DS 6P
37	DNM=93-364	BL=30	3E7	1360	DS 15C
38	DNM=93-378	BL=30	3F6	1345	OS 6P
39	DNM=93-392	BL=30	3FC	1339	DS 15C
40	DNM=93-406	BL=30	408	1324	OS 6P
41	DNM=93-420	BL=30	411	1318	OS 15C
42	DNM=93-434	BL=30	420	1303	OS 6P
43	DNM=93-448	BL=30	426	1297	OS 15C
44	DNM=93-462	BL=30	435	1282	DS 6P
45	DNM=93-476	BL=30	438	1276	OS 15C
46	DNM=93-490	BL=30	44A	1261	OS 6P
47	DNM=94-000	BL=30	450	1255	OS 15C
48	DNM=94-014	BL=30	45F	1240	DS 6P
49	DNM=94-028	BL=30	465	1234	OS 15C
50	DNM=94-042	BL=30	474	1219	OS 6P
51	DNM=94-056	BL=30	47A	1213	OS 15C
52	DNM=94-070	BL=30	489	1198	DS 6P
53	DNM=94-084	BL=30	48F	1192	OS 15C
54	DNM=94-098	BL=30	49E	1177	CS 6P
55	DNM=94-112	BL=30	4A4	1171	DS 15C

54

10-43-12

APR 3, 1984

INT NAME

BASE

DISP

RL01

DEFINITION

INT NAME	BASE	DISP	RL01	DEFINITION
02528	007940	03	FILLER	PIC 9(10) COMP-3 VALUE 0528063802.
02529	007950	03	FILLER	PIC X(15) VALUE 'PURI3
02530	007960	03	FILLER	PIC 9(10) COMP-3 VALUE 0528063803.
02531	007970	03	FILLER	PIC X(15) VALUE 'PUR3 233
02532	007980	03	FILLER	PIC 9(10) COMP-3 VALUE 0528064000.
02533	007990	03	FILLER	PIC X(15) VALUE 'PUR3 233
02534	008000	03	FILLER	PIC 9(10) COMP-3 VALUE 0528064100.
02535	008010	03	FILLER	PIC X(15) VALUE '5E6 5E7 5
02536	008020	03	FILLER	PIC 9(10) COMP-3 VALUE 0528064101.
02537	008030	03	FILLER	PIC X(15) VALUE '9 10 11
02538	008040	03	FILLER	PIC 9(10) COMP-3 VALUE 0528064104.
02539	008050	03	FILLER	PIC X(15) VALUE '14
02540	008060	03	FILLER	PIC 9(10) COMP-3 VALUE 0528064105.
02541	008070	03	FILLER	PIC X(15) VALUE '2 3 15
02542	008080	03	FILLER	PIC 9(10) COMP-3 VALUE 0528064106.
02543	008090	03	FILLER	PIC X(15) VALUE '1 4
02544	008100	03	FILLER	PIC 9(10) COMP-3 VALUE 0528064107.
02545	008110	03	FILLER	PIC X(15) VALUE '16
02546	008120	03	FILLER	PIC 9(10) COMP-3 VALUE 0528064108.
02547	008130	03	FILLER	PIC X(15) VALUE '8
02548	008140	03	FILLER	PIC 9(10) COMP-3 VALUE 0528064109.
02549	008150	03	FILLER	PIC X(15) VALUE '12
02550	008160	03	FILLER	PIC 9(10) COMP-3 VALUE 0528064200.
02551	008170	03	FILLER	PIC X(15) VALUE 'BP4 BP5 CB5
02552	008180	03	FILLER	PIC 9(10) COMP-3 VALUE 0528070000.
02553	008190	03	FILLER	PIC X(15) VALUE 'PAR18157 PAR28'
02554	008200	03	FILLER	PIC 9(10) COMP-3 VALUE 0528070100.
02555	008210	03	FILLER	PIC X(15) VALUE 'PAR21
02556	008220	03	FILLER	PIC 9(10) COMP-3 VALUE 0528070200.
02557	008230	03	FILLER	PIC X(15) VALUE 'PAR10158 PAR20'
02558	008240	03	FILLER	PIC 9(10) COMP-3 VALUE 0528070201.
02559	008250	03	FILLER	PIC X(15) VALUE 'PARC1
02560	008260	03	FILLER	PIC 9(10) COMP-3 VALUE 0528070202.
02561	008270	03	FILLER	PIC X(15) VALUE 'PAR29
02562	008280	03	FILLER	PIC 9(10) COMP-3 VALUE 0528070400.
02563	008290	03	FILLER	PIC X(15) VALUE 'PAR19
02564	008300	03	FILLER	PIC 9(10) COMP-3 VALUE 0528070500.
02565	008310	03	FILLER	PIC X(15) VALUE 'PAR22
02566	008320	03	FILLER	PIC 9(10) COMP-3 VALUE 0528080000.
02567	008330	03	FILLER	PIC X(15) VALUE '154 P5T1
02568	008340	03	FILLER	PIC 9(10) COMP-3 VALUE 0528090000.
02569	008350	03	FILLER	PIC X(15) VALUE 'PAR35
02570	008360	03	FILLER	PIC 9(10) COMP-3 VALUE 0528100000.
02571	008370	03	FILLER	PIC X(15) VALUE 'PAR9
02572	008380	03	FILLER	PIC 9(10) COMP-3 VALUE 0528120000.
02573	008390	03	FILLER	PIC X(15) VALUE 'PAR8 134 133
02574	008400	03	FILLER	PIC 9(10) COMP-3 VALUE 0528120300.
02575	008410	03	FILLER	PIC X(15) VALUE 'PRC4
02576	008420	03	FILLER	PIC 9(10) COMP-3 VALUE 0528120400.
02577	008430	03	FILLER	PIC X(15) VALUE 'PRC3
02578	008440	03	FILLER	PIC 9(10) COMP-3 VALUE 0528120500.
02579	008450	03	FILLER	PIC X(15) VALUE 'PRC2
02580	008460	03	FILLER	PIC 9(10) COMP-3 VALUE 0528120600.
02581	008470	03	FILLER	PIC X(15) VALUE 'PRC1

INT NAME	BASE	DISP	RLO1	DEFINITION
02582	008480	03	FILLER	PIC X(110) COMP-3 VALUE 0528130000.
02583	008490	03	FILLER	PIC X(115) VALUE *PDC1
02584	008500	03	FILLER	PIC X(110) COMP-3 VALUE 0528150000.
02585	008510	03	FILLER	PIC X(115) VALUE *PNC1
02586	008520	03	FILLER	PIC X(110) COMP-3 VALUE 0528160000.
02587	008530	03	FILLER	PIC X(115) VALUE *PAR3 125 124 *
02588	008540	03	FILLER	PIC X(110) COMP-3 VALUE 0528170000.
02589	008550	03	FILLER	PIC X(115) VALUE *PAR2 118 117 *
02590	008560	03	FILLER	PIC X(110) COMP-3 VALUE 0528180000.
02591	008570	03	FILLER	PIC X(115) VALUE *PRC1
02592	008580	03	FILLER	PIC X(110) COMP-3 VALUE 0528200000.
02593	008590	03	FILLER	PIC X(115) VALUE *100 102 103 *
02594	008600	03	FILLER	PIC X(110) COMP-3 VALUE 0528200200.
02595	008610	03	FILLER	PIC X(115) VALUE *107 108 TTC1 *
02596	008620	03	FILLER	PIC X(110) COMP-3 VALUE 0528200201.
02597	008630	03	FILLER	PIC X(115) VALUE *TTC6
02598	008640	03	FILLER	PIC X(110) COMP-3 VALUE 0528200204.
02599	008650	03	FILLER	PIC X(115) VALUE *TTC7 TTC8
02600	008660	03	FILLER	PIC X(110) COMP-3 VALUE 0528200207.
02601	008670	03	FILLER	PIC X(115) VALUE *TTC2
02602	008680	03	FILLER	PIC X(110) COMP-3 VALUE 0528200300.
02603	008690	03	FILLER	PIC X(115) VALUE *TGC1 TGC2 TGC3 *
02604	008700	03	FILLER	PIC X(110) COMP-3 VALUE 0528200600.
02605	008710	03	FILLER	PIC X(115) VALUE *TC01 TC02
02606	008720	03	FILLER	PIC X(110) COMP-3 VALUE 0528200800.
02607	008730	03	FILLER	PIC X(115) VALUE *TFC1 TFC2 TFC3 *
02608	008740	03	FILLER	PIC X(110) COMP-3 VALUE 0528200801.
02609	008750	03	FILLER	PIC X(115) VALUE *TFC6
02610	008760	03	FILLER	PIC X(110) COMP-3 VALUE 0528200900.
02611	008770	03	FILLER	PIC X(115) VALUE *TBS1
02612	008780	03	FILLER	PIC X(110) COMP-3 VALUE 0528201000.
02613	008790	03	FILLER	PIC X(115) VALUE *TTL1 TTL2 TTL3 *
02614	008800	03	FILLER	PIC X(110) COMP-3 VALUE 0528201001.
02615	008810	03	FILLER	PIC X(115) VALUE *TTN6
02616	008820	03	FILLER	PIC X(110) COMP-3 VALUE 0528201100.
02617	008830	03	FILLER	PIC X(115) VALUE *TCC1
02618	008840	03	FILLER	PIC X(110) COMP-3 VALUE 0528201101.
02619	008850	03	FILLER	PIC X(115) VALUE *TCC2
02620	008860	03	FILLER	PIC X(110) COMP-3 VALUE 0528201200.
02621	008870	03	FILLER	PIC X(115) VALUE *TTY1 TTY2
02622	008880	03	FILLER	PIC X(110) COMP-3 VALUE 0528201600.
02623	008890	03	FILLER	PIC X(115) VALUE *THC1
02624	008900	03	FILLER	PIC X(110) COMP-3 VALUE 0528201700.
02625	008910	03	FILLER	PIC X(115) VALUE *104 TCC1 TCC2 *
02626	008920	03	FILLER	PIC X(110) COMP-3 VALUE 0528201800.
02627	008930	03	FILLER	PIC X(115) VALUE *TBC1
02628	008940	03	FILLER	PIC X(110) COMP-3 VALUE 0528201900.
02629	008950	03	FILLER	PIC X(115) VALUE *TCS1
02630	008960	03	FILLER	PIC X(110) COMP-3 VALUE 0528202000.
02631	008970	03	FILLER	PIC X(115) VALUE *TSC1 TSC2 TSC3 *
02632	008980	03	FILLER	PIC X(110) COMP-3 VALUE 0528202100.
02633	008990	03	FILLER	PIC X(115) VALUE *TBS1 TBS2
02634	009000	03	FILLER	PIC X(110) COMP-3 VALUE 0528202200.
02635	009010	03	FILLER	PIC X(115) VALUE *TCW1

56 NM100 10-43.12 APR 3, 1984

INT NAME	BASE	DISP	RL01	DEFINITION
DNM=100-12	BL=30	0BF	1112	DS 6P
DNM=100-14	BL=30	D95	1118	DS 15C
DNM=100-15	BL=30	DA4	1133	DS 6P
DNM=100-16	BL=30	DA4	1139	DS 15C
DNM=100-18	BL=30	DB9	1154	DS 6P
DNM=100-19	BL=30	DBF	1175	DS 15C
DNM=100-21	BL=30	DCE	1175	DS 6P
DNM=100-22	BL=30	DD4	1181	DS 15C
DNM=100-23	BL=30	DE3	1196	DS 6P
DNM=100-25	BL=30	DE9	1202	DS 15C
DNM=100-26	BL=30	DF8	1217	DS 6P
DNM=100-28	BL=30	DFF	1223	DS 15C
DNM=100-29	BL=30	E0D	1238	DS 6P
DNM=100-30	BL=30	E13	1244	DS 15C
DNM=100-32	BL=30	E22	1259	DS 6P
DNM=100-33	BL=30	E28	1265	DS 15C
DNM=100-35	BL=30	E37	1280	DS 6P
DNM=100-36	BL=30	E3D	1286	DS 15C
DNM=100-37	BL=30	E4C	1301	DS 6P
DNM=100-39	BL=30	E52	1307	DS 15C
DNM=100-40	BL=30	E61	1322	DS 6P
DNM=100-42	BL=30	E67	1328	DS 15C
DNM=100-43	BL=30	E76	1343	DS 6P
DNM=100-44	BL=30	E7C	1349	DS 15C
DNM=100-46	BL=30	E88	1364	DS 6P
DNM=100-47	BL=30	E91	1370	DS 15C
DNM=100-49	BL=30	EAD	1385	DS 6P
DNM=101-00	BL=30	EAG	1391	DS 15C
DNM=101-01	BL=30	E85	1406	DS 6P
DNM=101-02	BL=30	E9B	1412	DS 15C
DNM=101-04	BL=30	ECA	1427	DS 6P
DNM=101-05	BL=30	E0D	1433	DS 15C
DNM=101-07	BL=30	E0F	1448	DS 6P
DNM=101-08	BL=30	E05	1454	DS 15C
DNM=101-09	BL=30	EFA	1469	DS 6P
DNM=101-11	BL=30	EFA	1475	DS 15C
DNM=101-12	BL=30	F09	1490	DS 6P
DNM=101-14	BL=30	F0F	1496	DS 15C
DNM=101-15	BL=30	FILE	1511	DS 6P
DNM=101-16	BL=30	F24	1517	DS 15C
DNM=101-18	BL=30	F33	1532	DS 6P
DNM=101-19	BL=30	F39	1538	DS 15C
DNM=101-21	BL=30	F48	1553	DS 6P
DNM=101-22	BL=30	F4E	1559	DS 15C
DNM=101-23	BL=30	F5D	1574	DS 6P
DNM=101-25	BL=30	F63	1580	DS 15C
DNM=101-26	BL=30	F72	1595	DS 6P
DNM=101-28	BL=30	F78	1601	DS 15C
DNM=101-29	BL=30	F87	1616	DS 6P
DNM=101-30	BL=30	F8D	1622	DS 15C
DNM=101-32	BL=30	F9C	1637	DS 6P
DNM=101-33	BL=30	F42	1643	DS 15C
DNM=101-35	BL=30	F81	1658	DS 6P
DNM=101-36	BL=30	F87	1664	DS 15C

INT NAME	BASE	DISP	RL01	DEFINITION
03 FILLER	PIC 9(10)	COMP-3	VALUE	'0528202500.'
03 FILLER	PIC X(15)		VALUE	'THM1
03 FILLER	PIC 9(10)	COMP-3	VALUE	'0528202600.'
03 FILLER	PIC X(15)		VALUE	'ICLI
03 FILLER	PIC 9(10)	COMP-3	VALUE	'0528220000.'
03 FILLER	PIC X(15)		VALUE	'PRO1
03 FILLER	PIC 9(10)	COMP-3	VALUE	'0528230000.'
03 FILLER	PIC X(15)		VALUE	'113 114
03 FILLER	PIC 9(10)	COMP-3	VALUE	'0528230400.'
03 FILLER	PIC X(15)		VALUE	'PCC1
03 FILLER	PIC 9(10)	COMP-3	VALUE	'0528270000.'
03 FILLER	PIC X(15)		VALUE	'PHC1
03 FILLER	PIC 9(10)	COMP-3	VALUE	'0528290000.'
03 FILLER	PIC X(15)		VALUE	'119 120 123
03 FILLER	PIC 9(10)	COMP-3	VALUE	'0528290100.'
03 FILLER	PIC X(15)		VALUE	'PAR4 121 122
03 FILLER	PIC 9(10)	COMP-3	VALUE	'0528290104.'
03 FILLER	PIC X(15)		VALUE	'PBB2
03 FILLER	PIC 9(10)	COMP-3	VALUE	'0528290105.'
03 FILLER	PIC X(15)		VALUE	'PBB3
03 FILLER	PIC 9(10)	COMP-3	VALUE	'0528290106.'
03 FILLER	PIC X(15)		VALUE	'PBB4
03 FILLER	PIC 9(10)	COMP-3	VALUE	'0528300000.'
03 FILLER	PIC X(15)		VALUE	'128 PNV1
03 FILLER	PIC 9(10)	COMP-3	VALUE	'0528300100.'
03 FILLER	PIC X(15)		VALUE	'PNV2
03 FILLER	PIC 9(10)	COMP-3	VALUE	'0528350000.'
03 FILLER	PIC X(15)		VALUE	'PAR6 137 140
03 FILLER	PIC 9(10)	COMP-3	VALUE	'0528350300.'
03 FILLER	PIC X(15)		VALUE	'PDM2
03 FILLER	PIC 9(10)	COMP-3	VALUE	'0528350400.'
03 FILLER	PIC X(15)		VALUE	'PAR7 139
03 FILLER	PIC 9(10)	COMP-3	VALUE	'0528370000.'
03 FILLER	PIC X(15)		VALUE	'PAR1152 PAR12
03 FILLER	PIC 9(10)	COMP-3	VALUE	'0528370100.'
03 FILLER	PIC X(15)		VALUE	'PAR27
03 FILLER	PIC 9(10)	COMP-3	VALUE	'0528370200.'
03 FILLER	PIC X(15)		VALUE	'PAR31
03 FILLER	PIC 9(10)	COMP-3	VALUE	'0528370201.'
03 FILLER	PIC X(15)		VALUE	'PAR32
03 FILLER	PIC 9(10)	COMP-3	VALUE	'0528370300.'
03 FILLER	PIC X(15)		VALUE	'PAR30
03 FILLER	PIC 9(10)	COMP-3	VALUE	'0528371100.'
03 FILLER	PIC X(15)		VALUE	'PAR26
03 FILLER	PIC 9(10)	COMP-3	VALUE	'0528371200.'
03 FILLER	PIC X(15)		VALUE	'PAR14147
03 FILLER	PIC 9(10)	COMP-3	VALUE	'0528371201.'
03 FILLER	PIC X(15)		VALUE	'PAR24
03 FILLER	PIC 9(10)	COMP-3	VALUE	'0528371202.'
03 FILLER	PIC X(15)		VALUE	'PAR23
03 FILLER	PIC 9(10)	COMP-3	VALUE	'0528371203.'
03 FILLER	PIC X(15)		VALUE	'PAR13148
03 FILLER	PIC 9(10)	COMP-3	VALUE	'0528390100.'
03 FILLER	PIC X(15)		VALUE	'PAR25

57 INT NAME BASE DISP RL01 DEFINITION

10-43-12 APR 3-1984

MI100

INT NAME	BASE	DISP	RL01	DEFINITION
02690	009560	03	FILLER	PIC 9(10) COMP-3 VALUE 'PAR16
02691	009570	03	FILLER	PIC 9(10) COMP-3 VALUE 'A9
02692	009580	03	FILLER	PIC 9(10) COMP-3 VALUE 'A13
02693	009590	03	FILLER	PIC 9(10) COMP-3 VALUE 'A15
02694	009600	03	FILLER	PIC 9(10) COMP-3 VALUE 'A1
02695	009610	03	FILLER	PIC 9(10) COMP-3 VALUE 'A1
02696	009620	03	FILLER	PIC 9(10) COMP-3 VALUE 'A2
02697	009630	03	FILLER	PIC 9(10) COMP-3 VALUE 'A2
02698	009640	03	FILLER	PIC 9(10) COMP-3 VALUE 'A3
02699	009650	03	FILLER	PIC 9(10) COMP-3 VALUE 'A3
02700	009660	03	FILLER	PIC 9(10) COMP-3 VALUE 'A4
02701	009670	03	FILLER	PIC 9(10) COMP-3 VALUE 'A4
02702	009680	03	FILLER	PIC 9(10) COMP-3 VALUE 'A6
02703	009690	03	FILLER	PIC 9(10) COMP-3 VALUE 'A6
02704	009700	03	FILLER	PIC 9(10) COMP-3 VALUE 'A7
02705	009710	03	FILLER	PIC 9(10) COMP-3 VALUE 'A7
02706	009720	03	FILLER	PIC 9(10) COMP-3 VALUE 'A16
02707	009730	03	FILLER	PIC 9(10) COMP-3 VALUE 'A16
02708	009740	03	FILLER	PIC 9(10) COMP-3 VALUE 'A11
02709	009750	03	FILLER	PIC 9(10) COMP-3 VALUE 'A11
02710	009760	03	FILLER	PIC 9(10) COMP-3 VALUE 'A12
02711	009770	03	FILLER	PIC 9(10) COMP-3 VALUE 'A12
02712	009780	03	FILLER	PIC 9(10) COMP-3 VALUE 'A14
02713	009790	03	FILLER	PIC 9(10) COMP-3 VALUE 'A14
02714	009800	03	FILLER	PIC 9(10) COMP-3 VALUE 'A52
02715	009810	03	FILLER	PIC 9(10) COMP-3 VALUE 'A52
02716	009820	03	FILLER	PIC 9(10) COMP-3 VALUE 'A54
02717	009830	03	FILLER	PIC 9(10) COMP-3 VALUE 'A54
02718	009840	03	FILLER	PIC 9(10) COMP-3 VALUE 'A58
02719	009850	03	FILLER	PIC 9(10) COMP-3 VALUE 'A58
02720	009860	03	FILLER	PIC 9(10) COMP-3 VALUE 'A53
02721	009870	03	FILLER	PIC 9(10) COMP-3 VALUE 'A53
02722	009880	03	FILLER	PIC 9(10) COMP-3 VALUE 'A55
02723	009890	03	FILLER	PIC 9(10) COMP-3 VALUE 'A55
02724	009900	03	FILLER	PIC 9(10) COMP-3 VALUE 'A58
02725	009910	03	FILLER	PIC 9(10) COMP-3 VALUE 'A58
02726	009920	03	FILLER	PIC 9(10) COMP-3 VALUE 'A56
02727	009930	03	FILLER	PIC 9(10) COMP-3 VALUE 'A56
02728	009940	03	FILLER	PIC 9(10) COMP-3 VALUE 'B13
02729	009950	03	FILLER	PIC 9(10) COMP-3 VALUE 'B13
02730	009960	03	FILLER	PIC 9(10) COMP-3 VALUE 'B10
02731	009970	03	FILLER	PIC 9(10) COMP-3 VALUE 'B10
02732	009980	03	FILLER	PIC 9(10) COMP-3 VALUE 'B11
02733	009990	03	FILLER	PIC 9(10) COMP-3 VALUE 'B11
02734	010000	03	FILLER	PIC 9(10) COMP-3 VALUE 'B12
02735	010010	03	FILLER	PIC 9(10) COMP-3 VALUE 'B12
02736	010020	03	FILLER	PIC 9(10) COMP-3 VALUE 'B20
02737	010030	03	FILLER	PIC 9(10) COMP-3 VALUE 'B20
02738	010040	03	FILLER	PIC 9(10) COMP-3 VALUE 'B33
02739	010050	03	FILLER	PIC 9(10) COMP-3 VALUE 'B33
02740	010060	03	FILLER	PIC 9(10) COMP-3 VALUE 'B30
02741	010070	03	FILLER	PIC 9(10) COMP-3 VALUE 'B30
02742	010080	03	FILLER	PIC 9(10) COMP-3 VALUE 'B31
02743	010090	03	FILLER	PIC 9(10) COMP-3 VALUE 'B31

59

AM100

10.43.12

APR 3, 1984

INT NAME

BASE

DISP

RL01

DEFINITION

INT NAME	BASE	DISP	RL01	DEFINITION
DNM=104-37	BL=31	434	2813	05 6P
DNM=104-39	BL=31	43A	2819	05 15C
DNM=104-40	BL=31	449	2834	05 6P
DNM=104-42	BL=31	44F	2840	05 15C
DNM=104-43	BL=31	45E	2855	05 6P
DNM=104-44	BL=31	464	2861	05 15C
DNM=104-46	BL=31	473	2876	05 6P
DNM=104-47	BL=31	479	2882	05 15C
DNM=104-49	BL=31	488	2897	05 6P
DNM=105-00	BL=31	48E	2903	05 15C
DNM=105-01	BL=31	49D	2918	05 6P
DNM=105-02	BL=31	4A3	2924	05 15C
DNM=105-04	BL=31	4B2	2939	05 6P
DNM=105-05	BL=31	4B8	2945	05 15C
DNM=105-07	BL=31	4C7	2960	05 6P
DNM=105-08	BL=31	4CD	2966	05 15C
DNM=105-09	BL=31	4DC	2981	05 6P
DNM=105-11	BL=31	4E2	2987	05 15C
DNM=105-12	BL=31	4F1	3002	05 6P
DNM=105-14	BL=31	4F7	3008	05 15C
DNM=105-15	BL=31	506	3023	05 6P
DNM=105-16	BL=31	50C	3029	05 15C
DNM=105-18	BL=31	51B	3044	05 6P
DNM=105-19	BL=31	521	3050	05 15C
DNM=105-21	BL=31	530	3065	05 6P
DNM=105-22	BL=31	536	3071	05 15C
DNM=105-23	BL=31	545	3086	05 6P
DNM=105-25	BL=31	54B	3092	05 15C
DNM=105-26	BL=31	55A	3107	05 6P
DNM=105-28	BL=31	560	3113	05 15C
DNM=105-29	BL=31	56F	3128	05 6P
DNM=105-30	BL=31	575	3134	05 15C
DNM=105-32	BL=31	584	3149	05 6P
DNM=105-33	BL=31	58A	3155	05 15C
DNM=105-35	BL=31	599	3170	05 6P
DNM=105-36	BL=31	59F	3176	05 15C
DNM=105-37	BL=31	5AE	3191	05 6P
DNM=105-39	BL=31	5B4	3197	05 15C
DNM=105-40	BL=31	5C3	3212	05 6P
DNM=105-42	BL=31	5C9	3218	05 15C
DNM=105-43	BL=31	5D8	3233	05 6P
DNM=105-44	BL=31	5DE	3239	05 15C
DNM=105-46	BL=31	5E0	3254	05 6P
DNM=105-47	BL=31	5F3	3260	05 15C
DNM=105-49	BL=31	602	3275	05 6P
DNM=106-00	BL=31	608	3281	05 15C
DNM=106-01	BL=31	617	3296	05 6P
DNM=106-02	BL=31	61D	3302	05 15C
DNM=106-04	BL=31	62C	3317	05 6P
DNM=106-05	BL=31	632	3323	05 15C
DNM=106-07	BL=31	641	3338	05 6P
DNM=106-08	BL=31	647	3344	05 15C
DNM=106-09	BL=31	656	3359	05 6P
DNM=106-11	BL=31	65C	3365	05 15C

60

10-43.12

APR 3, 1984

INT NAME

BASE

DISP

RLOI

DEFINITION

MM100

02852

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535060000.

02853

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535070000.

02854

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535080000.

02855

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535090000.

02856

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535100000.

02857

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535110000.

02858

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535120000.

02859

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535130000.

02860

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535140000.

02861

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535150000.

02862

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535160000.

02863

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535170000.

02864

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535180000.

02865

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535190000.

02866

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535200000.

02867

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535210000.

02868

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535220000.

02869

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535230000.

02870

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535240000.

02871

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535250000.

02872

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535260000.

02873

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535270000.

02874

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535280000.

02875

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535290000.

02876

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535300000.

02877

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535310000.

02878

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535320000.

02879

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535330000.

02880

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535340000.

02881

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535350000.

02882

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535360000.

02883

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535370000.

02884

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535380000.

02885

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535390000.

02886

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535400000.

02887

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535410000.

02888

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535420000.

02889

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535430000.

02890

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535440000.

02891

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535450000.

02892

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535460000.

02893

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535470000.

02894

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535480000.

02895

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535490000.

02896

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535500000.

02897

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535510000.

02898

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535520000.

02899

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535530000.

02900

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535540000.

02901

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535550000.

02902

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535560000.

02903

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535570000.

02904

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535580000.

02905

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535590000.

02906

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535600000.

02907

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535610000.

02908

03 FILLER

PIC 9(10)

COMP-3

VALUE 0535620000.

61

10.43.12

APR 3, 1984

INT NAME

BASE

DISP

RLO1

DEFINITION

INT NAME	BASE	DISP	RLO1	DEFINITION
02906	011720	03	FILLER	PIC 9(10) COMP-3 VALUE 0535200100.
02907	011730	03	FILLER	PIC X(15) VALUE \$24
02908	011740	03	FILLER	PIC 9(10) COMP-3 VALUE 0535200500.
02909	011750	03	FILLER	PIC X(15) VALUE \$22
02910	011760	03	FILLER	PIC 9(10) COMP-3 VALUE 0535200600.
02911	011770	03	FILLER	PIC X(15) VALUE \$20 \$21
02912	011780	03	FILLER	PIC 9(10) COMP-3 VALUE 0535200700.
02913	011790	03	FILLER	PIC X(15) VALUE \$19 \$26
02914	011800	03	FILLER	PIC 9(10) COMP-3 VALUE 0535200800.
02915	011810	03	FILLER	PIC X(15) VALUE \$18 \$13
02916	011820	03	FILLER	PIC 9(10) COMP-3 VALUE 0535200900.
02917	011830	03	FILLER	PIC X(15) VALUE \$15
02918	011840	03	FILLER	PIC 9(10) COMP-3 VALUE 0535201000.
02919	011850	03	FILLER	PIC X(15) VALUE \$11 \$16
02920	011860	03	FILLER	PIC 9(10) COMP-3 VALUE 0535201100.
02921	011870	03	FILLER	PIC X(15) VALUE \$11
02922	011880	03	FILLER	PIC 9(10) COMP-3 VALUE 0535201200.
02923	011890	03	FILLER	PIC X(15) VALUE \$12
02924	011900	03	FILLER	PIC 9(10) COMP-3 VALUE 0535201300.
02925	011910	03	FILLER	PIC X(15) VALUE \$13 \$10
02926	011920	03	FILLER	PIC 9(10) COMP-3 VALUE 0535201400.
02927	011930	03	FILLER	PIC X(15) VALUE \$14 \$27
02928	011940	03	FILLER	PIC 9(10) COMP-3 VALUE 0535201500.
02929	011950	03	FILLER	PIC X(15) VALUE \$4 \$1 \$39
02930	011960	03	FILLER	PIC 9(10) COMP-3 VALUE 0535201600.
02931	011970	03	FILLER	PIC X(15) VALUE \$2
02932	011980	03	FILLER	PIC 9(10) COMP-3 VALUE 0535201700.
02933	011990	03	FILLER	PIC X(15) VALUE \$38
02934	012000	03	FILLER	PIC 9(10) COMP-3 VALUE 0535201800.
02935	012010	03	FILLER	PIC X(15) VALUE \$3 \$28
02936	012020	03	FILLER	PIC 9(10) COMP-3 VALUE 0535201900.
02937	012030	03	FILLER	PIC X(15) VALUE \$38
02938	012040	03	FILLER	PIC 9(10) COMP-3 VALUE 0535202000.
02939	012050	03	FILLER	PIC X(15) VALUE \$12 \$M1 \$M2
02940	012060	03	FILLER	PIC 9(10) COMP-3 VALUE 0535202100.
02941	012070	03	FILLER	PIC X(15) VALUE \$M6 \$M7 \$M8
02942	012080	03	FILLER	PIC 9(10) COMP-3 VALUE 0535202200.
02943	012090	03	FILLER	PIC X(15) VALUE \$455 \$PK1 \$PK2
02944	012100	03	FILLER	PIC 9(10) COMP-3 VALUE 0535202300.
02945	012110	03	FILLER	PIC X(15) VALUE \$M01 \$M02 \$M03
02946	012120	03	FILLER	PIC 9(10) COMP-3 VALUE 0535202400.
02947	012130	03	FILLER	PIC X(15) VALUE \$M1
02948	012140	03	FILLER	PIC 9(10) COMP-3 VALUE 0535202500.
02949	012150	03	FILLER	PIC X(15) VALUE \$M41 \$M42 \$M43
02950	012160	03	FILLER	PIC 9(10) COMP-3 VALUE 0535202600.
02951	012170	03	FILLER	PIC X(15) VALUE \$500 \$51 \$52
02952	012180	03	FILLER	PIC 9(10) COMP-3 VALUE 0535202700.
02953	012190	03	FILLER	PIC X(15) VALUE \$13 \$14 \$B1
02954	012200	03	FILLER	PIC 9(10) COMP-3 VALUE 0535202800.
02955	012210	03	FILLER	PIC X(15) VALUE \$T1
02956	012220	03	FILLER	PIC 9(10) COMP-3 VALUE 0535202900.
02957	012230	03	FILLER	PIC X(15) VALUE \$T1 \$T2
02958	012240	03	FILLER	PIC 9(10) COMP-3 VALUE 0535203000.
02959	012250	03	FILLER	PIC X(15) VALUE \$M11 \$M12
02960	012260	03	FILLER	PIC 9(10) COMP-3 VALUE 0535203100.
02961	012270	03	FILLER	PIC X(15) VALUE \$M11 \$M12
02962	012280	03	FILLER	PIC 9(10) COMP-3 VALUE 0535203200.
02963	012290	03	FILLER	PIC X(15) VALUE \$M11 \$M12
02964	012300	03	FILLER	PIC 9(10) COMP-3 VALUE 0535203300.
02965	012310	03	FILLER	PIC X(15) VALUE \$M11 \$M12
02966	012320	03	FILLER	PIC 9(10) COMP-3 VALUE 0535203400.
02967	012330	03	FILLER	PIC X(15) VALUE \$M11 \$M12
02968	012340	03	FILLER	PIC 9(10) COMP-3 VALUE 0535203500.
02969	012350	03	FILLER	PIC X(15) VALUE \$M11 \$M12
02970	012360	03	FILLER	PIC 9(10) COMP-3 VALUE 0535203600.
02971	012370	03	FILLER	PIC X(15) VALUE \$M11 \$M12
02972	012380	03	FILLER	PIC 9(10) COMP-3 VALUE 0535203700.
02973	012390	03	FILLER	PIC X(15) VALUE \$M11 \$M12
02974	012400	03	FILLER	PIC 9(10) COMP-3 VALUE 0535203800.
02975	012410	03	FILLER	PIC X(15) VALUE \$M11 \$M12
02976	012420	03	FILLER	PIC 9(10) COMP-3 VALUE 0535203900.
02977	012430	03	FILLER	PIC X(15) VALUE \$M11 \$M12
02978	012440	03	FILLER	PIC 9(10) COMP-3 VALUE 0535204000.
02979	012450	03	FILLER	PIC X(15) VALUE \$M11 \$M12
02980	012460	03	FILLER	PIC 9(10) COMP-3 VALUE 0535204100.
02981	012470	03	FILLER	PIC X(15) VALUE \$M11 \$M12
02982	012480	03	FILLER	PIC 9(10) COMP-3 VALUE 0535204200.
02983	012490	03	FILLER	PIC X(15) VALUE \$M11 \$M12
02984	012500	03	FILLER	PIC 9(10) COMP-3 VALUE 0535204300.
02985	012510	03	FILLER	PIC X(15) VALUE \$M11 \$M12
02986	012520	03	FILLER	PIC 9(10) COMP-3 VALUE 0535204400.
02987	012530	03	FILLER	PIC X(15) VALUE \$M11 \$M12
02988	012540	03	FILLER	PIC 9(10) COMP-3 VALUE 0535204500.
02989	012550	03	FILLER	PIC X(15) VALUE \$M11 \$M12
02990	012560	03	FILLER	PIC 9(10) COMP-3 VALUE 0535204600.
02991	012570	03	FILLER	PIC X(15) VALUE \$M11 \$M12
02992	012580	03	FILLER	PIC 9(10) COMP-3 VALUE 0535204700.
02993	012590	03	FILLER	PIC X(15) VALUE \$M11 \$M12
02994	012600	03	FILLER	PIC 9(10) COMP-3 VALUE 0535204800.
02995	012610	03	FILLER	PIC X(15) VALUE \$M11 \$M12
02996	012620	03	FILLER	PIC 9(10) COMP-3 VALUE 0535204900.
02997	012630	03	FILLER	PIC X(15) VALUE \$M11 \$M12
02998	012640	03	FILLER	PIC 9(10) COMP-3 VALUE 0535205000.
02999	012650	03	FILLER	PIC X(15) VALUE \$M11 \$M12
03000	012660	03	FILLER	PIC 9(10) COMP-3 VALUE 0535205100.

INT NAME BASE DISP RLO1 DEFINITION

10-43.12 APR 3, 1984

63 M100

INT NAME	BASE	DISP	RLO1	DEFINITION
03014	012800	03	FILLER	PIC 9(110) COMP-3 VALUE 0535600100
03015	012810	03	FILLER	PIC X(115) VALUE *M15
03016	012820	03	FILLER	PIC 9(110) COMP-3 VALUE 0535640000
03017	012830	03	FILLER	PIC X(115) VALUE *NBL1
03018	012840	03	FILLER	PIC 9(110) COMP-3 VALUE 0535660000
03019	012850	03	FILLER	PIC X(115) VALUE *MND1
03020	012860	03	FILLER	PIC 9(110) COMP-3 VALUE 0535660100
03021	012870	03	FILLER	PIC X(115) VALUE *MND7
03022	012880	03	FILLER	PIC 9(110) COMP-3 VALUE 0537000000
03023	012890	03	FILLER	PIC X(115) VALUE *J30 M17 M18
03024	012900	03	FILLER	PIC 9(110) COMP-3 VALUE 0537030000
03025	012910	03	FILLER	PIC X(115) VALUE *J1 J3 S29
03026	012920	03	FILLER	PIC 9(110) COMP-3 VALUE 0537030100
03027	012930	03	FILLER	PIC X(115) VALUE *J2
03028	012940	03	FILLER	PIC 9(110) COMP-3 VALUE 0537030200
03029	012950	03	FILLER	PIC X(115) VALUE *CC9 S30
03030	012960	03	FILLER	PIC 9(110) COMP-3 VALUE *J11 J12 S36
03031	012970	03	FILLER	PIC X(115) VALUE *J10
03032	012980	03	FILLER	PIC 9(110) COMP-3 VALUE 0537040100
03033	012990	03	FILLER	PIC X(115) VALUE *J10
03034	013000	03	FILLER	PIC 9(110) COMP-3 VALUE 0537040100
03035	013010	03	FILLER	PIC X(115) VALUE *J10
03036	013020	03	FILLER	PIC 9(110) COMP-3 VALUE 0537040100
03037	013030	03	FILLER	PIC X(115) VALUE *J10 S33
03038	013040	03	FILLER	PIC 9(110) COMP-3 VALUE 0537050000
03039	013050	03	FILLER	PIC X(115) VALUE *J13
03040	013060	03	FILLER	PIC 9(110) COMP-3 VALUE 0537060000
03041	013070	03	FILLER	PIC X(115) VALUE *J21 J20
03042	013080	03	FILLER	PIC 9(110) COMP-3 VALUE 0600000000
03043	013090	03	FILLER	PIC X(115) VALUE *S2
03044	013100	03	FILLER	PIC 9(110) COMP-3 VALUE 0600080000
03045	013110	03	FILLER	PIC X(115) VALUE *74
03046	013120	03	FILLER	PIC 9(110) COMP-3 VALUE 0600900000
03047	013130	03	FILLER	PIC X(115) VALUE *83 84
03048	013140	03	FILLER	PIC 9(110) COMP-3 VALUE 0601000000
03049	013150	03	FILLER	PIC X(115) VALUE *S50 S48
03050	013160	03	FILLER	PIC 9(110) COMP-3 VALUE 0601010000
03051	013170	03	FILLER	PIC X(115) VALUE *91 94 CCO
03052	013180	03	FILLER	PIC 9(110) COMP-3 VALUE 0601010100
03053	013190	03	FILLER	PIC X(115) VALUE *
03054	013200	03	FILLER	PIC 9(110) COMP-3 VALUE 0601010101
03055	013210	03	FILLER	PIC X(115) VALUE *92
03056	013220	03	FILLER	PIC 9(110) COMP-3 VALUE 0601020000
03057	013230	03	FILLER	PIC X(115) VALUE *S49
03058	013240	03	FILLER	PIC 9(110) COMP-3 VALUE 0601020100
03059	013250	03	FILLER	PIC X(115) VALUE *CC11
03060	013260	03	FILLER	PIC 9(110) COMP-3 VALUE 0601040000
03061	013270	03	FILLER	PIC X(115) VALUE *S45 S46 S47
03062	013280	03	FILLER	PIC 9(110) COMP-3 VALUE 0601040100
03063	013290	03	FILLER	PIC X(115) VALUE *S42 S43
03064	013300	03	FILLER	PIC 9(110) COMP-3 VALUE 0601040200
03065	013310	03	FILLER	PIC X(115) VALUE *CC10 S44
03066	013320	03	FILLER	PIC 9(110) COMP-3 VALUE 0601080000
03067	013330	03	FILLER	PIC X(115) VALUE *81 S19
DNM=110-37	8L=31 D10			5081 DS 6P
DNM=110-39	8L=31 D16			5087 DS 15C
DNM=110-40	8L=31 D25			5102 DS 6P
DNM=110-42	8L=31 D28			5108 DS 15C
DNM=110-43	8L=31 D3A			5123 DS 6P
DNM=110-44	8L=31 D40			5129 DS 15C
DNM=110-46	8L=31 D4F			5144 DS 6P
DNM=110-47	8L=31 D55			5150 DS 15C
DNM=110-49	8L=31 D64			5165 DS 6P
DNM=111-00	8L=31 D6A			5171 DS 15C
DNM=111-01	8L=31 D7E			5186 DS 6P
DNM=111-02	8L=31 D7F			5192 DS 15C
DNM=111-04	8L=31 D8E			5207 DS 6P
DNM=111-05	8L=31 D94			5213 DS 15C
DNM=111-07	8L=31 DA3			5228 DS 6P
DNM=111-08	8L=31 DA9			5234 DS 15C
DNM=111-09	8L=31 D88			5249 DS 6P
DNM=111-11	8L=31 D8E			5255 DS 15C
DNM=111-12	8L=31 DCD			5270 DS 6P
DNM=111-14	8L=31 D03			5276 DS 15C
DNM=111-15	8L=31 D22			5291 DS 6P
DNM=111-16	8L=31 D28			5297 DS 15C
DNM=111-18	8L=31 D71			5312 DS 6P
DNM=111-19	8L=31 DFD			5318 DS 15C
DNM=111-21	8L=31 E0C			5333 DS 6P
DNM=111-22	8L=31 E12			5339 DS 15C
DNM=111-23	8L=31 E21			5354 DS 6P
DNM=111-25	8L=31 E27			5360 DS 15C
DNM=111-26	8L=31 E3A			5375 DS 6P
DNM=111-28	8L=31 E3C			5381 DS 15C
DNM=111-29	8L=31 E48			5396 DS 6P
DNM=111-30	8L=31 E51			5402 DS 15C
DNM=111-32	8L=31 E60			5417 DS 6P
DNM=111-33	8L=31 E66			5423 DS 15C
DNM=111-35	8L=31 E75			5438 DS 6P
DNM=111-36	8L=31 E78			5444 DS 15C
DNM=111-37	8L=31 E8A			5459 DS 6P
DNM=111-39	8L=31 E90			5465 DS 15C
DNM=111-40	8L=31 E9F			5480 DS 6P
DNM=111-42	8L=31 EA5			5486 DS 15C
DNM=111-43	8L=31 E84			5501 DS 6P
DNM=111-44	8L=31 E8A			5507 DS 15C
DNM=111-46	8L=31 EC9			5522 DS 6P
DNM=111-47	8L=31 ECF			5528 DS 15C
DNM=111-49	8L=31 EDE			5543 DS 6P
DNM=112-00	8L=31 EF4			5549 DS 15C
DNM=112-01	8L=31 EF3			5564 DS 6P
DNM=112-02	8L=31 EF9			5570 DS 15C
DNM=112-04	8L=31 F08			5585 DS 6P
DNM=112-05	8L=31 F0E			5591 DS 15C
DNM=112-07	8L=31 F10			5606 DS 6P
DNM=112-08	8L=31 F23			5612 DS 15C
DNM=112-09	8L=31 F32			5627 DS 6P
DNM=112-11	8L=31 F38			5633 DS 15C

10-43.12 APR 3, 1984

63 M100

INT NAME	BASE	DISP	RLO1	DEFINITION
03014	012800	03	FILLER	PIC 9(110) COMP-3 VALUE 0535600100
03015	012810	03	FILLER	PIC X(115) VALUE *M15
03016	012820	03	FILLER	PIC 9(110) COMP-3 VALUE 0535640000
03017	012830	03	FILLER	PIC X(115) VALUE *NBL1
03018	012840	03	FILLER	PIC 9(110) COMP-3 VALUE 0535660000
03019	012850	03	FILLER	PIC X(115) VALUE *MND1
03020	012860	03	FILLER	PIC 9(110) COMP-3 VALUE 0535660100
03021	012870	03	FILLER	PIC X(115) VALUE *MND7
03022	012880	03	FILLER	PIC 9(110) COMP-3 VALUE 0537000000
03023	012890	03	FILLER	PIC X(115) VALUE *J30 M17 M18
03024	012900	03	FILLER	PIC 9(110) COMP-3 VALUE 0537030000
03025	012910	03	FILLER	PIC X(115) VALUE *J1 J3 S29
03026	012920	03	FILLER	PIC 9(110) COMP-3 VALUE 0537030100
03027	012930	03	FILLER	PIC X(115) VALUE *J2
03028	012940	03	FILLER	PIC 9(110) COMP-3 VALUE 0537030200
03029	012950	03	FILLER	PIC X(115) VALUE *CC9 S30
03030	012960	03	FILLER	PIC 9(110) COMP-3 VALUE *J11 J12 S36
03031	012970	03	FILLER	PIC X(115) VALUE *J10
03032	012980	03	FILLER	PIC 9(110) COMP-3 VALUE 0537040100
03033	012990	03	FILLER	PIC X(115) VALUE *J10
03034	013000	03	FILLER	PIC 9(110) COMP-3 VALUE 0537040100
03035	013010	03	FILLER	PIC X(115) VALUE *J10
03036	013020	03	FILLER	PIC 9(110) COMP-3 VALUE 0537040100
03037	013030	03	FILLER	PIC X(115) VALUE *J10 S33
03038	013040	03	FILLER	PIC 9(110) COMP-3 VALUE 0537050000
03039	013050	03	FILLER	PIC X(115) VALUE *J13
03040	013060	03	FILLER	PIC 9(110) COMP-3 VALUE 0537060000
03041	013070	03	FILLER	PIC X(115) VALUE *J21 J20
03042	013080	03	FILLER	PIC 9(110) COMP-3 VALUE 0600000000
03043	013090	03	FILLER	PIC X(115) VALUE *S2
03044	013100	03	FILLER	PIC 9(110) COMP-3 VALUE 0600080000
03045	013110	03	FILLER	PIC X(115) VALUE *74
03046	013120	03	FILLER	PIC 9(110) COMP-3 VALUE 0600900000
03047	013130	03	FILLER	PIC X(115) VALUE *83 84
03048	013140	03	FILLER	PIC 9(110) COMP-3 VALUE 0601000000
03049	013150	03	FILLER	PIC X(115) VALUE *S50 S48
03050	013160	03	FILLER	PIC 9(110) COMP-3 VALUE 0601010000
03051	013170	03	FILLER	PIC X(115) VALUE *91 94 CCO
03052	013180	03	FILLER	PIC 9(110) COMP-3 VALUE 0601010100
03053	013190	03	FILLER	PIC X(115) VALUE *
03054	013200	03	FILLER	PIC 9(110) COMP-3 VALUE 0601010101
03055	013210	03	FILLER	PIC X(115) VALUE *92
03056	013220	03	FILLER	PIC 9(110) COMP-3 VALUE 0601020000
03057	013230	03	FILLER	PIC X(115) VALUE *S49
03058	013240	03	FILLER	PIC 9(110) COMP-3 VALUE 0601020100
03059	013250	03	FILLER	PIC X(115) VALUE *CC11
03060	013260	03	FILLER	PIC 9(110) COMP-3 VALUE 0601040000
03061	013270	03	FILLER	PIC X(115) VALUE *S45 S46 S47
03062	013280	03	FILLER	PIC 9(110) COMP-3 VALUE 0601040100
03063	013290	03	FILLER	PIC X(115) VALUE *S42 S43
03064	013300	03	FILLER	PIC 9(110) COMP-3 VALUE 0601040200
03065	013310	03	FILLER	PIC X(115) VALUE *CC10 S44
03066	013320	03	FILLER	PIC 9(110) COMP-3 VALUE 0601080000
03067	013330	03	FILLER	PIC X(115) VALUE *81 S19

65 NM100 10.43.12 APR 3, 1984

INT NAME BASE DISP RLO1 DEFINITION

03122 013880 03 FILLER PIC 9(10) COMP-3 VALUE .0700000000. 1977 DS 6P

LINE	INT NAME	BASE	DISP	RLO1	DEFINITION
1	03122	013880	03	FILLER	PIC 9(10) COMP-3 VALUE .0700000000. 1977 DS 6P
2	03123	013890	03	FILLER	PIC 9(15) COMP-3 VALUE .63 13 14 . 1971 DS 15C
3	03124	013900	03	FILLER	PIC 9(10) COMP-3 VALUE .0700020000. 1956 DS 6P
4	03125	013910	03	FILLER	PIC 9(15) COMP-3 VALUE .61 1950 DS 15C
5	03126	013920	03	FILLER	PIC 9(10) COMP-3 VALUE .0702000000. 1935 DS 6P
6	03127	013930	03	FILLER	PIC 9(15) COMP-3 VALUE .510 1929 DS 15C
7	03128	013940	03	FILLER	PIC 9(10) COMP-3 VALUE .0702000200. 1914 DS 6P
8	03129	013950	03	FILLER	PIC 9(15) COMP-3 VALUE .CC5 1908 DS 15C
9	03130	013960	03	FILLER	PIC 9(10) COMP-3 VALUE .46 59 1893 DS 6P
10	03131	013970	03	FILLER	PIC 9(15) COMP-3 VALUE .0702000300. 1887 DS 15C
11	03132	013980	03	FILLER	PIC 9(10) COMP-3 VALUE .48 1872 DS 6P
12	03133	013990	03	FILLER	PIC 9(15) COMP-3 VALUE .0702000400. 1866 DS 15C
13	03134	014000	03	FILLER	PIC 9(10) COMP-3 VALUE .12 1851 DS 6P
14	03135	014010	03	FILLER	PIC 9(15) COMP-3 VALUE .0702000500. 1845 DS 15C
15	03136	014020	03	FILLER	PIC 9(10) COMP-3 VALUE .47 1830 DS 6P
16	03137	014030	03	FILLER	PIC 9(15) COMP-3 VALUE .0702000600. 1824 DS 15C
17	03138	014040	03	FILLER	PIC 9(10) COMP-3 VALUE .54 1809 DS 6P
18	03139	014050	03	FILLER	PIC 9(15) COMP-3 VALUE .43 1803 DS 15C
19	03140	014060	03	FILLER	PIC 9(10) COMP-3 VALUE .0801000200. 1788 DS 6P
20	03141	014070	03	FILLER	PIC 9(15) COMP-3 VALUE .43 1782 DS 15C
21	03142	014080	03	FILLER	PIC 9(10) COMP-3 VALUE .CC3 55 1767 DS 6P
22	03143	014090	03	FILLER	PIC 9(15) COMP-3 VALUE .0801000300. 1761 DS 15C
23	03144	014100	03	FILLER	PIC 9(10) COMP-3 VALUE .07020003000. 1746 DS 6P
24	03145	014110	03	FILLER	PIC 9(15) COMP-3 VALUE .41 1740 DS 15C
25	03146	014120	03	FILLER	PIC 9(10) COMP-3 VALUE .44 1725 DS 6P
26	03147	014130	03	FILLER	PIC 9(15) COMP-3 VALUE .CC4 44 1719 DS 15C
27	03148	014140	03	FILLER	PIC 9(10) COMP-3 VALUE .08010003000. 1704 DS 6P
28	03149	014150	03	FILLER	PIC 9(15) COMP-3 VALUE .CC13 1698 DS 15C
29	03150	014160	03	FILLER	PIC 9(10) COMP-3 VALUE .08010003000. 1683 DS 6P
30	03151	014170	03	FILLER	PIC 9(15) COMP-3 VALUE .CC12 1677 DS 15C
31	03152	014180	03	FILLER	PIC 9(10) COMP-3 VALUE .080100030200. 1662 DS 6P
32	03153	014190	03	FILLER	PIC 9(15) COMP-3 VALUE .41A CC15 1656 DS 15C
33	03154	014200	03	FILLER	PIC 9(10) COMP-3 VALUE .0801090000. 1641 DS 6P
34	03155	014210	03	FILLER	PIC 9(15) COMP-3 VALUE .42 1635 DS 15C
35	03156	014220	03	FILLER	PIC 9(10) COMP-3 VALUE .09000000000. 1620 DS 6P
36	03157	014230	03	FILLER	PIC 9(15) COMP-3 VALUE .8 1614 DS 15C
37	03158	014240	03	FILLER	PIC 9(10) COMP-3 VALUE .22 4 1599 DS 6P
38	03159	014250	03	FILLER	PIC 9(15) COMP-3 VALUE .24 5 1578 DS 15C
39	03160	014260	03	FILLER	PIC 9(10) COMP-3 VALUE .24 5 1572 DS 6P
40	03161	014270	03	FILLER	PIC 9(15) COMP-3 VALUE .25 9 1557 DS 15C
41	03162	014280	03	FILLER	PIC 9(10) COMP-3 VALUE .0900030000. 1551 DS 6P
42	03163	014290	03	FILLER	PIC 9(15) COMP-3 VALUE .25 9 1536 DS 15C
43	03164	014300	03	FILLER	PIC 9(10) COMP-3 VALUE .0900040000. 1530 DS 6P
44	03165	014310	03	FILLER	PIC 9(15) COMP-3 VALUE .27 10 6 1515 DS 15C
45	03166	014320	03	FILLER	PIC 9(10) COMP-3 VALUE .33 11 1509 DS 6P
46	03167	014330	03	FILLER	PIC 9(15) COMP-3 VALUE .34 1494 DS 15C
47	03168	014340	03	FILLER	PIC 9(10) COMP-3 VALUE .34 1488 DS 6P
48	03169	014350	03	FILLER	PIC 9(15) COMP-3 VALUE .34 1473 DS 15C
49	03170	014360	03	FILLER	PIC 9(10) COMP-3 VALUE .32 1467 DS 6P
50	03171	014370	03	FILLER	PIC 9(15) COMP-3 VALUE .32 1452 DS 15C
51	03172	014380	03	FILLER	PIC 9(10) COMP-3 VALUE .31 1446 DS 6P
52	03173	014390	03	FILLER	PIC 9(15) COMP-3 VALUE .31 1431 DS 15C
53	03174	014400	03	FILLER	PIC 9(10) COMP-3 VALUE .26 1425 DS 6P
54	03175	014410	03	FILLER	PIC 9(15) COMP-3 VALUE .26 1425 DS 15C

INT NAME	BASE	DISP	RL01	DEFINITION
DNM=115-12	8L=32	385	1410	DS 6P
DNM=115-14	8L=32	388	1404	DS 15C
DNM=115-15	8L=32	3CA	1389	DS 6P
DNM=115-16	8L=32	300	1383	DS 15C
DNM=115-18	8L=32	3DF	1368	DS 6P
DNM=115-19	8L=32	3E5	1362	DS 15C
DNM=115-21	8L=32	3F4	1347	DS 6P
DNM=115-22	8L=32	3FA	1341	DS 15C
DNM=115-23	8L=32	409	1326	DS 6P
DNM=115-25	8L=32	40F	1320	DS 15C
DNM=115-26	8L=32	41E	1305	DS 6P
DNM=115-28	8L=32	424	1299	DS 15C
DNM=115-29	8L=32	433	1284	DS 6P
DNM=115-30	8L=32	439	1278	DS 15C
DNM=115-32	8L=32	448	1263	DS 6P
DNM=115-33	8L=32	44E	1257	DS 15C
DNM=115-35	8L=32	45D	1242	DS 6P
DNM=115-36	8L=32	463	1236	DS 15C
DNM=115-37	8L=32	472	1221	DS 6P
DNM=115-39	8L=32	478	1215	DS 15C
DNM=115-40	8L=32	487	1200	DS 6P
DNM=115-42	8L=32	480	1194	DS 15C
DNM=115-43	8L=32	49C	1179	DS 6P
DNM=115-44	8L=32	4A2	1173	DS 15C
DNM=115-46	8L=32	481	1158	DS 6P
DNM=115-47	8L=32	487	1152	DS 15C
DNM=115-49	8L=32	4C6	1137	DS 6P
DNM=116-00	8L=32	4CC	1131	DS 15C
DNM=116-01	8L=32	4CB	1116	DS 6P
DNM=116-04	8L=32	4E1	1110	DS 15C
DNM=116-05	8L=32	4F0	1095	DS 6P
DNM=116-07	8L=32	4F6	1089	DS 15C
DNM=116-08	8L=32	505	1074	DS 6P
DNM=116-09	8L=32	51A	1053	DS 15C
DNM=116-11	8L=32	520	1047	DS 6P
DNM=116-12	8L=32	52F	1032	DS 15C
DNM=116-14	8L=32	535	1026	DS 6P
DNM=116-15	8L=32	544	1011	DS 15C
DNM=116-16	8L=32	54A	1005	DS 6P
DNM=116-18	8L=32	55F	9990	DS 15C
DNM=116-19	8L=32	55F	9984	DS 6P
DNM=116-21	8L=32	56E	9969	DS 15C
DNM=116-22	8L=32	57A	9963	DS 6P
DNM=116-23	8L=32	583	9948	DS 15C
DNM=116-25	8L=32	589	9942	DS 6P
DNM=116-26	8L=32	598	9927	DS 15C
DNM=116-28	8L=32	59E	9921	DS 6P
DNM=116-29	8L=32	5AD	9906	DS 15C
DNM=116-30	8L=32	583	9900	DS 6P
DNM=116-32	8L=32	5C2	8885	DS 15C
DNM=116-33	8L=32	5C8	8879	DS 6P
DNM=116-35	8L=32	5D7	8864	DS 15C
DNM=116-36	8L=32	5D0	8858	DS 6P

INT NAME	BASE	DISP	RL01	DEFINITION
03176	014420	03	FILLER	PIC 9(110) COMP-3 VALUE 0908000000.
03177	014430	03	FILLER	PIC X(15) VALUE *17 7
03178	014440	03	FILLER	PIC 9(110) COMP-3 VALUE 0909000000.
03179	014450	03	FILLER	PIC X(15) VALUE *28
03180	014460	03	FILLER	PIC 9(110) COMP-3 VALUE 0910000000.
03181	014470	03	FILLER	PIC X(15) VALUE *23
03182	014480	03	FILLER	PIC 9(110) COMP-3 VALUE 1000000000.
03183	014490	03	FILLER	PIC X(15) VALUE *21 3
03184	014500	03	FILLER	PIC 9(110) COMP-3 VALUE 1001000100.
03185	014510	03	FILLER	PIC X(15) VALUE *CC1 12 11
03186	014520	03	FILLER	PIC 9(110) COMP-3 VALUE 1001000200.
03187	014530	03	FILLER	PIC X(15) VALUE *CC2
03188	014540	03	FILLER	PIC 9(110) COMP-3 VALUE 1001000300.
03189	014550	03	FILLER	PIC X(15) VALUE *14
03190	014560	03	FILLER	PIC 9(110) COMP-3 VALUE 1001030100.
03191	014570	03	FILLER	PIC X(15) VALUE *13
03192	014580	03	FILLER	PIC 9(110) COMP-3 VALUE 1001030200.
03193	014590	03	FILLER	PIC X(15) VALUE *NM2
03194	014600	03	FILLER	PIC 9(110) COMP-3 VALUE 1001080000.
03195	014610	03	FILLER	PIC X(15) VALUE *M1
03196	014620	03	FILLER	PIC 9(110) COMP-3 VALUE 1101000000.
03197	014630	03	FILLER	PIC X(15) VALUE *B11 B12 B13
03198	014640	03	FILLER	PIC 9(110) COMP-3 VALUE 1101010000.
03199	014650	03	FILLER	PIC X(15) VALUE *F81 F82
03200	014660	03	FILLER	PIC 9(110) COMP-3 VALUE 1101020000.
03201	014670	03	FILLER	PIC X(15) VALUE *QC1 QC2 QC3
03202	014680	03	FILLER	PIC 9(110) COMP-3 VALUE 1101030000.
03203	014690	03	FILLER	PIC X(15) VALUE *8C1 8C2 8C3
03204	014700	03	FILLER	PIC 9(110) COMP-3 VALUE 1102000000.
03205	014710	03	FILLER	PIC X(15) VALUE *B01 B02 B03
03206	014720	03	FILLER	PIC 9(110) COMP-3 VALUE 1102010000.
03207	014730	03	FILLER	PIC X(15) VALUE *M1 M2 M3
03208	014740	03	FILLER	PIC 9(110) COMP-3 VALUE 1103000000.
03209	014750	03	FILLER	PIC X(15) VALUE *M41 M42 M43
03210	014760	03	FILLER	PIC 9(110) COMP-3 VALUE 1201010000.
03211	014770	03	FILLER	PIC X(15) VALUE *NR9 NR11 NR14
03212	014780	03	FILLER	PIC 9(110) COMP-3 VALUE 1201010100.
03213	014790	03	FILLER	PIC X(15) VALUE *NR10
03214	014800	03	FILLER	PIC 9(110) COMP-3 VALUE 1201010200.
03215	014810	03	FILLER	PIC X(15) VALUE *NR48
03216	014820	03	FILLER	PIC 9(110) COMP-3 VALUE 1201010300.
03217	014830	03	FILLER	PIC X(15) VALUE *NR49
03218	014840	03	FILLER	PIC 9(110) COMP-3 VALUE 1201020100.
03219	014850	03	FILLER	PIC X(15) VALUE *NR8 NR12 NR32
03220	014860	03	FILLER	PIC 9(110) COMP-3 VALUE 1201020101.
03221	014870	03	FILLER	PIC X(15) VALUE *NR35
03222	014880	03	FILLER	PIC 9(110) COMP-3 VALUE 1201020102.
03223	014890	03	FILLER	PIC X(15) VALUE *NR36
03224	014900	03	FILLER	PIC 9(110) COMP-3 VALUE 1201020103.
03225	014910	03	FILLER	PIC X(15) VALUE *NR37
03226	014920	03	FILLER	PIC 9(110) COMP-3 VALUE 1201020104.
03227	014930	03	FILLER	PIC X(15) VALUE *NR13
03228	014940	03	FILLER	PIC 9(110) COMP-3 VALUE 1201020200.
03229	014950	03	FILLER	PIC X(15) VALUE *NR7 NR24 NR25

67

10.43.12

APR 3, 1984

MM100

INT NAME

BASE

DISP

RL01

DEFINITION

INT NAME	BASE	DISP	RL01	DEFINITION
DNM=116-37	BL=32	5EC	0843	DS 6P
DNM=116-39	BL=32	5F2	0837	DS 15C
DNM=116-40	BL=32	601	0822	DS 6P
DNM=116-42	BL=32	607	0816	DS 15C
DNM=116-43	BL=32	616	0801	DS 6P
DNM=116-44	BL=32	61C	0795	DS 15C
DNM=116-46	BL=32	62B	0780	DS 6P
DNM=116-47	BL=32	631	0774	DS 15C
DNM=116-49	BL=32	640	0759	DS 6P
DNM=117-00	BL=32	646	0753	DS 15C
DNM=117-01	BL=32	655	0738	DS 6P
DNM=117-02	BL=32	65B	0732	DS 15C
DNM=117-04	BL=32	66A	0717	DS 6P
DNM=117-05	BL=32	670	0711	DS 15C
DNM=117-07	BL=32	67F	0696	DS 6P
DNM=117-08	BL=32	685	0690	DS 15C
DNM=117-09	BL=32	694	0675	DS 6P
DNM=117-11	BL=32	69A	0669	DS 15C
DNM=117-12	BL=32	6A9	0654	DS 6P
DNM=117-14	BL=32	6AF	0648	DS 15C
DNM=117-15	BL=32	68E	0633	DS 6P
DNM=117-16	BL=32	6C4	0627	DS 15C
DNM=117-18	BL=32	6D3	0612	DS 6P
DNM=117-19	BL=32	6D9	0606	DS 15C
DNM=117-21	BL=32	6E8	0591	DS 6P
DNM=117-22	BL=32	6EE	0585	DS 15C
DNM=117-23	BL=32	6FD	0570	DS 6P
DNM=117-25	BL=32	703	0564	DS 15C
DNM=117-26	BL=32	712	0549	DS 6P
DNM=117-28	BL=32	718	0543	DS 15C
DNM=117-29	BL=32	727	0528	DS 6P
DNM=117-30	BL=32	720	0522	DS 15C
DNM=117-32	BL=32	73C	0507	DS 6P
DNM=117-33	BL=32	742	0501	DS 15C
DNM=117-35	BL=32	751	0486	DS 6P
DNM=117-36	BL=32	757	0480	DS 15C
DNM=117-37	BL=32	766	0465	DS 6P
DNM=117-39	BL=32	76C	0459	DS 15C
DNM=117-40	BL=32	778	0444	DS 6P
DNM=117-42	BL=32	781	0438	DS 15C
DNM=117-43	BL=32	790	0423	DS 6P
DNM=117-44	BL=32	796	0417	DS 15C
DNM=117-46	BL=32	7A5	0402	DS 6P
DNM=117-47	BL=32	7AB	0396	DS 15C
DNM=117-49	BL=32	7BA	0381	DS 6P
DNM=118-00	BL=32	7C0	0375	DS 15C
DNM=118-01	BL=32	7CF	0360	DS 6P
DNM=118-02	BL=32	7D5	0354	DS 15C
DNM=118-04	BL=32	7E4	0339	DS 6P
DNM=118-05	BL=32	7EA	0333	DS 15C
DNM=118-07	BL=32	7F9	0318	DS 6P
DNM=118-08	BL=32	7FF	0312	DS 15C
DNM=118-09	BL=32	80E	0297	DS 6P
DNM=118-11	BL=32	814	0291	DS 15C

03230 014960 03 FILLER PIC 9(10) COMP-3 VALUE 1201020201.
03231 014970 03 FILLER PIC X(15) VALUE *NR28
03232 014980 03 FILLER PIC 9(10) COMP-3 VALUE 1201020202.
03233 014990 03 FILLER PIC X(15) VALUE *NR6 NR29
03234 015000 03 FILLER PIC 9(10) COMP-3 VALUE 1201020203.
03235 015010 03 FILLER PIC X(15) VALUE *NR30
03236 015020 03 FILLER PIC 9(10) COMP-3 VALUE 1201020204.
03237 015030 03 FILLER PIC X(15) VALUE *NR31
03238 015040 03 FILLER PIC 9(10) COMP-3 VALUE 1201020300.
03239 015050 03 FILLER PIC X(15) VALUE *NR22 NR23 NR65
03240 015060 03 FILLER PIC 9(10) COMP-3 VALUE 1201020301.
03241 015070 03 FILLER PIC X(15) VALUE *NR20 NR21
03242 015080 03 FILLER PIC 9(10) COMP-3 VALUE 1201020302.
03243 015090 03 FILLER PIC X(15) VALUE *NR19
03244 015100 03 FILLER PIC 9(10) COMP-3 VALUE 1201020400.
03245 015110 03 FILLER PIC X(15) VALUE *NR50 NR51 NR52
03246 015120 03 FILLER PIC 9(10) COMP-3 VALUE 1201020401.
03247 015130 03 FILLER PIC X(15) VALUE *NR54 NR55
03248 015140 03 FILLER PIC 9(10) COMP-3 VALUE 1201020402.
03249 015150 03 FILLER PIC X(15) VALUE *NR56 NR57
03250 015160 03 FILLER PIC 9(10) COMP-3 VALUE 1201020403.
03251 015170 03 FILLER PIC X(15) VALUE *NR58 NR59
03252 015180 03 FILLER PIC 9(10) COMP-3 VALUE *NR1 NR2 NR3
03253 015190 03 FILLER PIC X(15) VALUE *NR5 NR18
03254 015200 03 FILLER PIC 9(10) COMP-3 VALUE 1201030200.
03255 015210 03 FILLER PIC X(15) VALUE *NR5 NR18
03256 015220 03 FILLER PIC 9(10) COMP-3 VALUE 1201030300.
03257 015230 03 FILLER PIC X(15) VALUE *NR4 NR16 NR17
03258 015240 03 FILLER PIC 9(10) COMP-3 VALUE 1201030301.
03259 015250 03 FILLER PIC X(15) VALUE *NR15
03260 015260 03 FILLER PIC 9(10) COMP-3 VALUE 1301010000.
03261 015270 03 FILLER PIC X(15) VALUE *S511 S514 S515
03262 015280 03 FILLER PIC 9(10) COMP-3 VALUE 1301020000.
03263 015290 03 FILLER PIC X(15) VALUE *S516 S517
03264 015300 03 FILLER PIC 9(10) COMP-3 VALUE *S518
03265 015310 03 FILLER PIC X(15) VALUE *S518
03266 015320 03 FILLER PIC 9(10) COMP-3 VALUE 1301040000.
03267 015330 03 FILLER PIC X(15) VALUE *S512 S513
03268 015340 03 FILLER PIC 9(10) COMP-3 VALUE 1301050000.
03269 015350 03 FILLER PIC X(15) VALUE *S519 S5114 S515
03270 015360 03 FILLER PIC 9(10) COMP-3 VALUE 1301060000.
03271 015370 03 FILLER PIC X(15) VALUE *S5110 S511 S512
03272 015380 03 FILLER PIC 9(10) COMP-3 VALUE 1302010000.
03273 015390 03 FILLER PIC X(15) VALUE *S507 S508
03274 015400 03 FILLER PIC 9(10) COMP-3 VALUE 1302020000.
03275 015410 03 FILLER PIC X(15) VALUE *S501 S506 S5012
03276 015420 03 FILLER PIC 9(10) COMP-3 VALUE 1302030000.
03277 015430 03 FILLER PIC X(15) VALUE *S502 S503 S504
03278 015440 03 FILLER PIC 9(10) COMP-3 VALUE 1303000000
03279 015450 03 FILLER PIC X(15) VALUE *1M44 1M45 1M46
03280 015460 03 FILLER PIC 9(10) COMP-3 VALUE 1401000000.
03281 015470 03 FILLER PIC X(15) VALUE *111 112 113
03282 015480 03 FILLER PIC 9(10) COMP-3 VALUE 1401010000.
03283 015490 03 FILLER PIC X(15) VALUE *0M1 0M2 0M3

INT NAME	BASE	DISP	RL01	DEFINITION
DNM=118-12	BL=32	823	0276	DS 6P
DNM=118-14	BL=32	829	0270	DS 15C
DNM=118-15	BL=32	838	0255	DS 6P
DNM=118-16	BL=32	83E	0249	DS 15C
DNM=118-18	BL=32	84D	0234	DS 6P
DNM=118-19	BL=32	853	0228	DS 15C
DNM=118-21	BL=32	862	0213	DS 6P
DNM=118-22	BL=32	868	0207	DS 15C
DNM=118-23	BL=32	877	0192	DS 6P
DNM=118-25	BL=32	87D	0186	DS 15C
DNM=118-26	BL=32	88C	0171	DS 6P
DNM=118-28	BL=32	892	0165	DS 15C
DNM=118-29	BL=32	8A1	0150	DS 6P
DNM=118-30	BL=32	8A7	0144	DS 15C
DNM=118-32	BL=32	8B6	0129	DS 6P
DNM=118-33	BL=32	8BC	0123	DS 15C
DNM=118-35	BL=32	8C8	0108	DS 6P
DNM=118-36	BL=32	8D1	0102	DS 15C
DNM=118-37	BL=32	8E0	0087	DS 6P
DNM=118-39	BL=32	8E6	0081	DS 15C
DNM=118-40	BL=32	8F5	0066	DS 6P
DNM=118-42	BL=32	8FB	0060	DS 15C
DNM=118-43	BL=32	90A	0045	DS 6P
DNM=118-44	BL=32	91F	0039	DS 15C
DNM=118-46	BL=32	91F	0024	DS 6P
DNM=118-47	BL=32	925	0018	DS 15C
DNM=118-49	BL=32	934	0003	DS 6P
DNM=119-00	BL=32	93A	0003	DS 15C
DNM=119-01	BL=32	949	0018	DS 6P
DNM=119-02	BL=32	94F	0024	DS 15C
DNM=119-04	BL=32	95E	0039	DS 6P
DNM=119-05	BL=32	964	0045	DS 15C
DNM=119-07	BL=32	973	0060	DS 6P
DNM=119-08	BL=32	979	0066	DS 15C
DNM=119-09	BL=32	988	0081	DS 6P
DNM=119-11	BL=32	99D	0087	DS 15C
DNM=119-12	BL=32	99D	0102	DS 6P
DNM=119-14	BL=32	9A3	0108	DS 15C
DNM=119-15	BL=32	9B2	0123	DS 6P
DNM=119-16	BL=32	9B9	0129	DS 15C
DNM=119-18	BL=32	9C7	0144	DS 6P
DNM=119-19	BL=32	9CD	0150	DS 15C
DNM=119-21	BL=32	9DC	0165	DS 6P
DNM=119-22	BL=32	9E0	0171	DS 15C
DNM=119-23	BL=32	9F1	0186	DS 6P
DNM=119-25	BL=32	9F7	0192	DS 15C
DNM=119-26	BL=32	A06	0207	DS 6P
DNM=119-28	BL=32	A0C	0213	DS 15C
DNM=119-29	BL=32	A1B	0228	DS 6P
DNM=119-30	BL=32	A21	0234	DS 15C
DNM=119-32	BL=32	A30	0249	DS 6P
DNM=119-33	BL=32	A36	0255	DS 15C
DNM=119-35	BL=32	A45	0270	DS 6P
DNM=119-36	BL=32	A4B	0276	DS 15C

INT NAME	BASE	DISP	RLO1	DEFINITION
DMM=119-37	BL=32	A5A	0291	DS 6P
DMM=119-39	BL=32	A60	0297	DS 15C
DMM=119-40	BL=32	A6F	0312	DS 6P
DMM=119-42	BL=32	A75	0318	DS 15C
DMM=119-43	BL=32	A84	0333	DS 6P
DMM=119-44	BL=32	A8A	0339	DS 15C
DMM=119-46	BL=32	A99	0354	DS 6P
DMM=119-47	BL=32	A9F	0360	DS 15C
DMM=119-49	BL=32	AAE	0375	DS 6P
DMM=120-00	BL=32	ABA	0381	DS 15C
DMM=120-01	BL=32	AC3	0396	DS 6P
DMM=120-02	BL=32	AC9	0402	DS 15C
DMM=120-04	BL=32	ADB	0417	DS 6P
DMM=120-05	BL=32	AED	0423	DS 15C
DMM=120-07	BL=32	AEE	0438	DS 6P
DMM=120-08	BL=32	AF3	0444	DS 15C
DMM=120-09	BL=32	AO2	0459	DS 6P
DMM=120-11	BL=32	BO8	0465	DS 15C
DMM=120-12	BL=32	B17	0480	DS 6P
DMM=120-14	BL=32	B1D	0406	DS 15C
DMM=120-15	BL=32	B2C	0501	DS 6P
DMM=120-16	BL=32	B32	0507	DS 15C
DMM=120-18	BL=32	B41	0522	DS 6P
DMM=120-19	BL=32	B47	0528	DS 15C
DMM=120-21	BL=32	B56	0543	DS 6P
DMM=120-22	BL=32	B5C	0549	DS 15C
DMM=120-23	BL=32	B68	0564	DS 6P
DMM=120-25	BL=32	B71	0570	DS 15C
DMM=120-26	BL=32	B80	0585	DS 6P
DMM=120-28	BL=32	B86	0591	DS 15C
DMM=120-29	BL=32	B95	0606	DS 6P
DMM=120-30	BL=32	B9B	0612	DS 15C
DMM=120-32	BL=32	8AA	0627	DS 6P
DMM=120-33	BL=32	880	0633	DS 15C
DMM=120-35	BL=32	8BF	0648	DS 6P
DMM=120-36	BL=32	8C5	0654	DS 15C
DMM=120-37	BL=32	8D4	0669	DS 6P
DMM=120-39	BL=32	8DA	0675	DS 15C
DMM=120-40	BL=32	8E9	0690	DS 6P
DMM=120-42	BL=32	8EF	0696	DS 15C
DMM=120-43	BL=32	8FE	0711	DS 6P
DMM=120-44	BL=32	C04	0717	DS 15C
DMM=120-46	BL=32	C13	0732	DS 6P
DMM=120-47	BL=32	C19	0738	DS 15C
DMM=120-49	BL=32	C28	0753	DS 6P
DMM=121-00	BL=32	C2E	0759	DS 15C
DMM=121-01	BL=32	C3D	0774	DS 6P
DMM=121-02	BL=32	C43	0780	DS 15C
DMM=121-04	BL=32	C52	0795	DS 6P
DMM=121-05	BL=32	C58	0801	DS 15C
DMM=121-07	BL=32	C67	0816	DS 6P
DMM=121-08	BL=32	C60	0822	DS 15C
DMM=121-09	BL=32	C7C	0837	DS 6P
DMM=121-11	BL=32	C82	0843	DS 15C

70

MI100

10.43.12

APR 3.1984

INT NAME

INT NAME	BASE	DISP	RL01	DEFINITION
DNMS121-12	BL=32	C91	0858	OS 6P
DNMS121-14	BL=32	C97	0864	OS 15C
DNMS121-15	BL=32	CA6	0879	OS 6P
DNMS121-16	BL=32	CAC	0885	OS 15C
DNMS121-18	BL=32	CBB	0900	OS 6P
DNMS121-19	BL=32	CC1	0906	OS 15C
DNMS121-21	BL=32	CCD	0921	OS 6P
DNMS121-22	BL=32	CD6	0927	OS 15C
DNMS121-23	BL=32	CE5	0942	OS 6P
DNMS121-25	BL=32	CEB	0948	OS 15C
DNMS121-26	BL=32	CEA	0963	OS 6P
DNMS121-28	BL=32	DD0	0969	OS 15C
DNMS121-29	BL=32	DDF	0984	OS 6P
DNMS121-30	BL=32	D15	0990	OS 15C
DNMS121-32	BL=32	D24	1005	OS 6P
DNMS121-33	BL=32	D2A	1011	OS 15C
DNMS121-35	BL=32	D39	1026	OS 6P
DNMS121-36	BL=32	D3E	1032	OS 15C
DNMS121-37	BL=32	D4E	1047	OS 6P
DNMS121-39	BL=32	D54	1053	OS 15C
DNMS121-40	BL=32	D63	1068	OS 6P
DNMS121-42	BL=32	D69	1074	OS 15C
DNMS121-43	BL=32	D78	1084	OS 6P
DNMS121-44	BL=32	D7E	1095	OS 15C
DNMS121-46	BL=32	D80	1110	OS 6P
DNMS121-47	BL=32	D93	1116	OS 15C
DNMS121-49	BL=32	DA2	1131	OS 6P
DNMS122-00	BL=32	DAB	1137	OS 15C
DNMS122-01	BL=32	D87	1152	OS 6P
DNMS122-04	BL=32	D8D	1158	OS 15C
DNMS122-05	BL=32	DCC	1173	OS 6P
DNMS122-07	BL=32	D02	1179	OS 15C
DNMS122-07	BL=32	DE1	1194	OS 6P
DNMS122-08	BL=32	DE7	1200	OS 15C
DNMS122-11	BL=32	DF6	1215	OS 6P
DNMS122-11	BL=32	DFC	1221	OS 15C
DNMS122-12	BL=32	E08	1236	OS 6P
DNMS122-14	BL=32	E11	1242	OS 15C
DNMS122-15	BL=32	E20	1257	OS 6P
DNMS122-16	BL=32	E26	1263	OS 15C
DNMS122-18	BL=32	E35	1278	OS 6P
DNMS122-19	BL=32	E38	1284	OS 15C
DNMS122-21	BL=32	E4A	1299	OS 6P
DNMS122-23	BL=32	E5F	1305	OS 15C
DNMS122-25	BL=32	E65	1320	OS 6P
DNMS122-26	BL=32	E7A	1341	OS 15C
DNMS122-29	BL=32	E89	1362	OS 6P
DNMS122-30	BL=32	E8F	1368	OS 15C
DNMS122-32	BL=32	E9E	1383	OS 6P
DNMS122-33	BL=32	E4A	1389	OS 15C
DNMS122-35	BL=32	E83	1404	OS 6P
DNMS122-36	BL=32	E89	1410	OS 15C

71

IM100

10.43.12

APR 3, 1984

INT NAME

BASE

DISP

RLO1

DEFINITION

03446 017120 03 FILLER PIC 9(10) COMP-3 VALUE 2205000000
 03447 017130 03 FILLER PIC X(15) VALUE '0L1 0L2 0L3'
 03448 017140 03 FILLER PIC 9(10) COMP-3 VALUE 2205000000
 03449 017150 03 FILLER PIC X(15) VALUE 'JM4621MM631MM64'
 03450 017160 03 FILLER PIC 9(10) COMP-3 VALUE 2210101000
 03451 017170 03 FILLER PIC X(15) VALUE 'SC1 SC2'
 03452 017180 03 FILLER PIC 9(10) COMP-3 VALUE 9999999999
 03453 017190 03 FILLER PIC X(15) VALUE
 03454 017200 03 FILLER PIC 9(10) COMP-3 VALUE 9999999999
 03455 017210 03 FILLER PIC X(15) VALUE
 03456 017220 03 FILLER PIC 9(10) COMP-3 VALUE 9999999999
 03457 017230 03 FILLER PIC X(15) VALUE
 03458 017240 03 FILLER PIC 9(10) COMP-3 VALUE 9999999999
 03459 017250 03 FILLER PIC X(15) VALUE
 03460 017260 03 FILLER PIC 9(10) COMP-3 VALUE 9999999999
 03461 017270 03 FILLER PIC X(15) VALUE
 03462 017280 03 FILLER PIC 9(10) COMP-3 VALUE 9999999999
 03463 017290 03 FILLER PIC X(15) VALUE
 03464 017300 03 FILLER PIC 9(10) COMP-3 VALUE 9999999999
 03465 017310 03 FILLER PIC X(15) VALUE
 03466 017320 03 FILLER PIC 9(10) COMP-3 VALUE 9999999999
 03467 017330 03 FILLER PIC X(15) VALUE
 03468 017340*
 03469 017350* * * * * TABLE NOW CONTAINS 857 ENTRIES 03/30/84 * * * * *
 03470 017360* * * * * + 008 ALL-9 ENTRIES * * * * *
 03471 017370* * * * *
 03472 017380* * * * * STATION-TABLE-L-R-REDEFINES STATION-TABLE-1.
 03473 017390-01 STATION-TABLE-L-R-REDEFINES STATION-TABLE-1.
 03474 017400 03 LOC-WITH-1-3-STATIONS OCCURS 865 TIMES
 03475 017410 ASCENDING KEY LOCATION-1
 03476 017420 INDEXED BY LOC-1-IX
 03477 017430 05 LOCATION-1
 03478 017440 05 STATION-1 OCCURS 3 TIMES INDEXED BY STA-1-IX
 03479 017450 PIC X(5)

DNN=122-37 BL=32 EC8 1425 DS 6P
 DNN=122-39 BL=32 ECE 1431 DS 15C
 DNN=122-40 BL=32 EDD 1446 DS 6P
 DNN=122-42 BL=32 EE3 1452 DS 15C
 DNN=122-43 BL=32 EF2 1467 DS 6P
 DNN=122-44 BL=32 EF8 1473 DS 15C
 DNN=122-46 BL=32 F07 1488 DS 6P
 DNN=122-47 BL=32 F0D 1494 DS 15C
 DNN=122-49 BL=32 F1C 1509 DS 6P
 DNN=123-00 BL=32 F22 1515 DS 15C
 DNN=123-01 BL=32 F31 1530 DS 6P
 DNN=123-02 BL=32 F37 1536 DS 15C
 DNN=123-04 BL=32 F46 1551 DS 6P
 DNN=123-05 BL=32 F4C 1557 DS 15C
 DNN=123-07 BL=32 F58 1572 DS 6P
 DNN=123-08 BL=32 F61 1578 DS 15C
 DNN=123-09 BL=32 F70 1593 DS 6P
 DNN=123-11 BL=32 F76 1599 DS 15C
 DNN=123-12 BL=32 F85 1614 DS 6P
 DNN=123-14 BL=32 F88 1620 DS 15C
 DNN=123-15 BL=32 F9A 1635 DS 6P
 DNN=123-16 BL=32 FA0 1641 DS 15C

DNN=123-18 BL=28 938 0001 DS OCL18165
 DNN=123-23 BL=28 938 0001 DS OCL21
 DNN=123-27 BL=28 938 0001 DS 6P
 DNN=123-31 BL=28 93E 0007 DS 5C

INT NAME	BASE	DISP	RLOI	DEFINITION
03589	018550	03	FILLER	PIC 9(10) COMP-3 VALUE 0201000000.
03590	018560	03	FILLER	PIC X(120) VALUE 02
03591	018570	03	FILLER	NR8 NR7 NR6 NR5 NR4 NR3 NR2 NR1 NR0
03592	018580	03	FILLER	PIC X(75) VALUE SPACES.
03593	018590	03	FILLER	PIC 9(10) COMP-3 VALUE 0201000000.
03594	018600	03	FILLER	PIC X(120) VALUE 22 12 23
03595	018610	03	FILLER	PIC X(75) VALUE SPACES.
03596	018620	03	FILLER	PIC 9(10) COMP-3 VALUE 0202000000.
03597	018630	03	FILLER	PIC X(120) VALUE 18 3 7 11 A16 1
03598	018640	03	FILLER	PIC X(75) VALUE 35 15 17 22 23 20 21 22 82 83 84 85
03599	018650	03	FILLER	PIC X(75) VALUE 88 B10 B11 B13 B14 A14 C2
03600	018660	03	FILLER	PIC X(75) VALUE 13 C4 C5 C9 C10 C
03601	018670	03	FILLER	PIC X(75) VALUE 11 S2 A6 A7 A8 A9 A10 A11 A12 A13
03602	018680	03	FILLER	PIC 9(10) COMP-3 VALUE 0202060000.
03603	018690	03	FILLER	PIC X(120) VALUE 20 A1 A3 A5
03604	018700	03	FILLER	PIC X(75) VALUE SPACES.
03605	018710	03	FILLER	PIC 9(10) COMP-3 VALUE 0202140000.
03606	018720	03	FILLER	PIC X(120) VALUE C7 25
03607	018730	03	FILLER	PIC X(75) VALUE SPACES.
03608	018740	03	FILLER	PIC 9(10) COMP-3 VALUE 0203000000.
03609	018750	03	FILLER	PIC X(120) VALUE 28
03610	018760	03	FILLER	PIC X(75) VALUE SPACES.
03611	018770	03	FILLER	PIC 9(10) COMP-3 VALUE 0204000000.
03612	018780	03	FILLER	PIC X(120) VALUE 1 3 6 7 8 2
03613	018790	03	FILLER	PIC X(75) VALUE 8 32 19 84 83A 86 B5 B6 B7 B5 A2 A3 B1
03614	018800	03	FILLER	PIC X(75) VALUE SPACES.
03615	018810	03	FILLER	PIC 9(10) COMP-3 VALUE 0204010000.
03616	018820	03	FILLER	PIC X(120) VALUE 18
03617	018830	03	FILLER	PIC X(75) VALUE SPACES.
03618	018840	03	FILLER	PIC 9(10) COMP-3 VALUE 0205000000.
03619	018850	03	FILLER	PIC X(120) VALUE 14 19 20 38 16 17 A1 A3 A5 A6 7
03620	018860	03	FILLER	PIC X(75) VALUE 8 33 9 B5
03621	018870	03	FILLER	PIC 9(10) COMP-3 VALUE 0205030000.
03622	018880	03	FILLER	PIC X(120) VALUE 4 6 A12 A13 A14 A15 A16
03623	018890	03	FILLER	PIC X(75) VALUE 36 38S 24 25 26 27
03624	018900	03	FILLER	PIC 9(10) COMP-3 VALUE 0205040000.
03625	018910	03	FILLER	PIC X(120) VALUE 37 A18
03626	018920	03	FILLER	PIC X(75) VALUE SPACES.
03627	018930	03	FILLER	PIC 9(10) COMP-3 VALUE 0205040000.
03628	018940	03	FILLER	PIC X(120) VALUE 13 15
03629	018950	03	FILLER	PIC X(75) VALUE SPACES.
03630	018960	03	FILLER	PIC 9(10) COMP-3 VALUE 0205060000.
03631	018970	03	FILLER	PIC X(120) VALUE 28
03632	018980	03	FILLER	PIC X(75) VALUE SPACES.
03633	018990	03	FILLER	PIC 9(10) COMP-3 VALUE 0206000000.
03634	019000	03	FILLER	PIC X(120) VALUE E4 10
03635	019010	03	FILLER	PIC X(75) VALUE SPACES.
03636	019020	03	FILLER	PIC 9(10) COMP-3 VALUE 0206010000.
03637	019030	03	FILLER	PIC X(120) VALUE ER 9
03638	019040	03	FILLER	PIC X(75) VALUE SPACES.
03639	019050	03	FILLER	PIC 9(10) COMP-3 VALUE 0206020000.
03640	019060	03	FILLER	PIC X(120) VALUE 43
03641	019070	03	FILLER	PIC X(75) VALUE SPACES.
03642	019080	03	FILLER	PIC 9(10) COMP-3 VALUE 43

75 NM100 10-43-12 APR 3, 1984

INT NAME BASE DISP RLO1 DEFINITION

INT NAME	BASE	DISP	RLO1	DEFINITION
03643	019090	03-FILLER	PIC X(75)	VALUE SPACES.
03644	019100	03-FILLER	PIC 9(10) COMP-3	VALUE *0206030000.
03645	019110	03-FILLER	PIC X(120)	VALUE *E3
03646	019120	03-FILLER	PIC X(75)	VALUE SPACES.
03647	019130	03-FILLER	PIC 9(10) COMP-3	VALUE *0207000000.
03648	019140	03-FILLER	PIC X(120)	VALUE *EB2 EB3 EB5 PJI PJ2 12
03649	019150	03-FILLER	PIC X(75)	VALUE SPACES.
03650	019160	03-FILLER	PIC 9(10) COMP-3	VALUE *0207010000.
03651	019170	03-FILLER	PIC X(120)	VALUE *10 2
03652	019180	03-FILLER	PIC X(75)	VALUE SPACES.
03653	019190	03-FILLER	PIC 9(10) COMP-3	VALUE *0207020000.
03654	019200	03-FILLER	PIC X(120)	VALUE *8 9 11 51 -E86 13
03655	019210	03-FILLER	PIC X(75)	VALUE SPACES.
03656	019220	03-FILLER	PIC 9(10) COMP-3	VALUE *0208000100.
03657	019230	03-FILLER	PIC X(120)	VALUE *CR1 CR5 CR8 CR13 CR14 EPO
03658	019240	03-FILLER	PIC X(75)	VALUE SPACES.
03659	019250	03-FILLER	PIC 9(10) COMP-3	VALUE *0208000200.
03660	019260	03-FILLER	PIC X(120)	VALUE *CR10 CR11 NA05 NA06 11 25
03661	019270	03-FILLER	PIC X(75)	VALUE SPACES.
03662	019280	03-FILLER	PIC 9(10) COMP-3	VALUE *0208000300.
03663	019290	03-FILLER	PIC X(120)	VALUE *58 9 10 CR12 CR15 070
03664	019300	03-FILLER	PIC X(75)	VALUE SPACES.
03665	019310	03-FILLER	PIC 9(10) COMP-3	VALUE *0208000400.
03666	019320	03-FILLER	PIC X(120)	VALUE *CR20 NA11 NA12 NA15 NA16 NA3
03667	019330	03-FILLER	PIC X(75)	VALUE SPACES.
03668	019340	03-FILLER	PIC 9(10) COMP-3	VALUE *0208000500.
03669	019350	03-FILLER	PIC X(120)	VALUE *CR22 CR23 CR24 NA20 NA21 NA3
03670	019360	03-FILLER	PIC X(75)	VALUE SPACES.
03671	019370	03-FILLER	PIC 9(10) COMP-3	VALUE *0208000600.
03672	019380	03-FILLER	PIC X(120)	VALUE *CR27 CR28 NA18 NA19 NA24 14
03673	019390	03-FILLER	PIC X(75)	VALUE SPACES.
03674	019400	03-FILLER	PIC 9(10) COMP-3	VALUE *0208000700.
03675	019410	03-FILLER	PIC X(120)	VALUE *R1 R2
03676	019420	03-FILLER	PIC X(75)	VALUE SPACES.
03677	019430	03-FILLER	PIC 9(10) COMP-3	VALUE *0208000800.
03678	019440	03-FILLER	PIC X(120)	VALUE *W2 W3
03679	019450	03-FILLER	PIC X(75)	VALUE SPACES.
03680	019460	03-FILLER	PIC 9(10) COMP-3	VALUE *0208000900.
03681	019470	03-FILLER	PIC X(120)	VALUE *60 59 82 84 85 8
03682	019480	03-FILLER	PIC X(75)	VALUE SPACES.
03683	019490	03-FILLER	PIC 9(10) COMP-3	VALUE *0208001000.
03684	019500	03-FILLER	PIC X(120)	VALUE *R1 R2
03685	019510	03-FILLER	PIC X(75)	VALUE SPACES.
03686	019520	03-FILLER	PIC 9(10) COMP-3	VALUE *0208001100.
03687	019530	03-FILLER	PIC X(120)	VALUE *W2 W3
03688	019540	03-FILLER	PIC X(75)	VALUE SPACES.
03689	019550	03-FILLER	PIC 9(10) COMP-3	VALUE *0208001200.
03690	019560	03-FILLER	PIC X(120)	VALUE *60 59 82 84 85 8
03691	019570	03-FILLER	PIC X(75)	VALUE SPACES.
03692	019580	03-FILLER	PIC 9(10) COMP-3	VALUE *0208001300.
03693	019590	03-FILLER	PIC X(120)	VALUE *M3
03694	019600	03-FILLER	PIC X(75)	VALUE SPACES.
03695	019610	03-FILLER	PIC 9(10) COMP-3	VALUE *0208001400.
03696	019620	03-FILLER	PIC X(120)	VALUE *M3

77 NM100 10-43-12 APR 3,1984 INT NAME BASE DISP L01 DEFINITION

INT NAME	BASE	DISP	L01	DEFINITION
DNM=129-02	8L=36	270	4673	DS 6P
DNM=129-04	8L=36	276	4679	DS 120C
DNM=129-05	8L=36	2EE	4799	DS 75C
DNM=129-07	8L=36	339	4874	DS 6P
DNM=129-08	8L=36	33F	4880	DS 120C
DNM=129-09	8L=36	387	5000	DS 75C
DNM=129-11	8L=36	402	5075	DS 6P
DNM=129-12	8L=36	408	5081	DS 120C
DNM=129-14	8L=36	480	5201	DS 75C
DNM=129-15	8L=36	4CB	5276	DS 6P
DNM=129-16	8L=36	4D1	5282	DS 120C
DNM=129-18	8L=36	549	5402	DS 75C
DNM=129-19	8L=36	594	5477	DS 6P
DNM=129-21	8L=36	59A	5483	DS 120C
DNM=129-22	8L=36	612	5603	DS 75C
DNM=129-23	8L=36	650	5678	DS 6P
DNM=129-25	8L=36	663	5684	DS 120C
DNM=129-26	8L=36	6D8	5804	DS 75C
DNM=129-28	8L=36	726	5879	DS 6P
DNM=129-29	8L=36	72C	5885	DS 120C
DNM=129-30	8L=36	7A4	6005	DS 75C
DNM=129-32	8L=36	7EF	6080	DS 6P
DNM=129-33	8L=36	7F5	6086	DS 120C
DNM=129-35	8L=36	86D	6206	DS 75C
DNM=129-36	8L=36	888	6281	DS 6P
DNM=129-37	8L=36	8BE	6287	DS 120C
DNM=129-39	8L=36	936	6407	DS 75C
DNM=129-40	8L=36	981	6482	DS 6P
DNM=129-42	8L=36	987	6488	DS 120C
DNM=129-43	8L=36	9FF	6608	DS 75C
DNM=129-44	8L=36	A4A	6683	DS 6P
DNM=129-46	8L=36	A50	6689	DS 120C
DNM=129-47	8L=36	AC8	6809	DS 75C
DNM=129-49	8L=36	B13	6884	DS 6P
DNM=130-00	8L=36	B19	6890	DS 120C
DNM=130-01	8L=36	B91	7010	DS 75C
DNM=130-02	8L=36	BDC	7085	DS 6P
DNM=130-04	8L=36	BE2	7091	DS 120C
DNM=130-07	8L=36	C5A	7211	DS 75C
DNM=130-07	8L=36	CA5	7286	DS 6P
DNM=130-08	8L=36	CAB	7292	DS 120C
DNM=130-09	8L=36	O23	7412	DS 75C
DNM=130-11	8L=36	D6E	7487	DS 6P
DNM=130-12	8L=36	D74	7493	DS 120C
DNM=130-14	8L=36	DEC	7613	DS 75C
03 FILLER PIC 9(10) COMP-3 VALUE *0210000300.				
03 FILLER PIC X(120) VALUE *RR24 RR25 RR26 '.				
03 FILLER PIC X(175) VALUE SPACES.				
03 FILLER PIC 9(10) COMP-3 VALUE *0210000400.				
03 FILLER PIC X(120) VALUE *RR30 RR31 RR21 24 42				
03 FILLER PIC X(175) VALUE SPACES.				
03 FILLER PIC 9(10) COMP-3 VALUE *0210000500.				
03 FILLER PIC X(120) VALUE *RR32 RR33 RR34 20				
03 FILLER PIC X(175) VALUE SPACES.				
03 FILLER PIC 9(10) COMP-3 VALUE *0210010000.				
03 FILLER PIC X(120) VALUE *35 36 41 '.				
03 FILLER PIC X(175) VALUE SPACES.				
03 FILLER PIC 9(10) COMP-3 VALUE *0210070000.				
03 FILLER PIC X(120) VALUE *3 4 5 6 7				
03 FILLER PIC X(175) VALUE SPACES.				
03 FILLER PIC 9(10) COMP-3 VALUE *0210080000.				
03 FILLER PIC X(120) VALUE *39				
03 FILLER PIC X(175) VALUE SPACES.				
03 FILLER PIC 9(10) COMP-3 VALUE *0212000000.				
03 FILLER PIC X(120) VALUE *M5 M7				
03 FILLER PIC X(175) VALUE SPACES.				
03 FILLER PIC 9(10) COMP-3 VALUE *0213000000.				
03 FILLER PIC X(120) VALUE *11 6				
03 FILLER PIC X(175) VALUE SPACES.				
03 FILLER PIC 9(10) COMP-3 VALUE *0213010000.				
03 FILLER PIC X(120) VALUE *4 9 10 25 35 8				
03 FILLER PIC X(175) VALUE SPACES.				
03 FILLER PIC 9(10) COMP-3 VALUE *0213010500.				
03 FILLER PIC X(120) VALUE *802 7803 7804 7805 7806 7807 7808 7809 7810 7811 7812 781				
03 FILLER PIC X(175) VALUE *7 408 409 845 38 39 '.				
03 FILLER PIC X(175) VALUE SPACES.				
03 FILLER PIC 9(10) COMP-3 VALUE *0213010400.				
03 FILLER PIC X(120) VALUE *40				
03 FILLER PIC X(175) VALUE SPACES.				
03 FILLER PIC 9(10) COMP-3 VALUE *0213010502.				
03 FILLER PIC X(120) VALUE *401 '.				
03 FILLER PIC X(175) VALUE SPACES.				
03 FILLER PIC 9(10) COMP-3 VALUE *0213010504.				
03 FILLER PIC X(120) VALUE *7612 76NE 7801 7820 7650 7				
03 FILLER PIC X(175) VALUE *3 7814 7815 7816 7817 7818 7819 7602 '.				
03 FILLER PIC X(175) VALUE *7603 7604 7605 7606 7607 7				
03 FILLER PIC X(175) VALUE *608 7609 7610 7611				
03 FILLER PIC 9(10) COMP-3 VALUE *0214000100.				
03 FILLER PIC X(120) VALUE *209 19				
03 FILLER PIC X(175) VALUE SPACES.				
03 FILLER PIC 9(10) COMP-3 VALUE *0214000200.				
03 FILLER PIC X(120) VALUE *203 '.				
03 FILLER PIC X(175) VALUE SPACES.				
03 FILLER PIC 9(10) COMP-3 VALUE *0214000300.				
03 FILLER PIC X(120) VALUE *1				
03 FILLER PIC X(175) VALUE SPACES.				

78	NM100	10-43-12	APR 3-1984	INT NAME	BASE	DISP	RLO1	DEFINITION
1	03805	020710	03-FILLER	PIC 9(10) COMP-3	VALUE	0214000700.		
2	03806	020710	03-FILLER	PIC X(120)	VALUE	*21		
3	03807	020730	03-FILLER	PIC X(75)	VALUE	SPACES.		
4	03808	020740	03-FILLER	PIC 9(10) COMP-3	VALUE	0214000800.		
5	03809	020750	03-FILLER	PIC X(120)	VALUE	*3E2 13		
6	03810	020760	03-FILLER	PIC X(75)	VALUE	SPACES.		
7	03811	020770	03-FILLER	PIC 9(10) COMP-3	VALUE	0214010000.		
8	03812	020780	03-FILLER	PIC X(120)	VALUE	*LA2 LA3 LA4 LA6 LAT 305		
9	03813	020790	03-FILLER	PIC X(75)	VALUE	SPACES.		
10	03814	020800	03-FILLER	PIC 9(10) COMP-3	VALUE	0214020000.		
11	03815	020810	03-FILLER	PIC X(120)	VALUE	*AR2 303		
12	03816	020820	03-FILLER	PIC X(75)	VALUE	SPACES.		
13	03817	020830	03-FILLER	PIC 9(10) COMP-3	VALUE	0214030100.		
14	03818	020840	03-FILLER	PIC X(120)	VALUE	*H3 H4 H5 301 23		
15	03819	020850	03-FILLER	PIC X(75)	VALUE	SPACES.		
16	03820	020860	03-FILLER	PIC 9(10) COMP-3	VALUE	0214040000.		
17	03821	020870	03-FILLER	PIC X(120)	VALUE	*2D2 201 AR16		
18	03822	020880	03-FILLER	PIC X(75)	VALUE	SPACES.		
19	03823	020890	03-FILLER	PIC 9(10) COMP-3	VALUE	0214050000.		
20	03824	020900	03-FILLER	PIC X(120)	VALUE	*E7 2D7		
21	03825	020910	03-FILLER	PIC X(75)	VALUE	SPACES.		
22	03826	020920	03-FILLER	PIC 9(10) COMP-3	VALUE	0214060000.		
23	03827	020930	03-FILLER	PIC X(120)	VALUE	*104 105 106 G2 G4 G		
24	03828	020940	03-FILLER	PIC X(75)	VALUE	SPACES.		
25	03829	020950	03-FILLER	PIC 9(10) COMP-3	VALUE	0214070000.		
26	03830	020960	03-FILLER	PIC X(120)	VALUE	*2E2		
27	03831	020970	03-FILLER	PIC X(75)	VALUE	SPACES.		
28	03832	020980	03-FILLER	PIC 9(10) COMP-3	VALUE	0214100000.		
29	03833	020990	03-FILLER	PIC X(120)	VALUE	*AAS		
30	03834	021000	03-FILLER	PIC X(75)	VALUE	SPACES.		
31	03835	021010	03-FILLER	PIC 9(10) COMP-3	VALUE	0214140200.		
32	03836	021020	03-FILLER	PIC X(120)	VALUE	*12		
33	03837	021030	03-FILLER	PIC X(75)	VALUE	SPACES.		
34	03838	021040	03-FILLER	PIC 9(10) COMP-3	VALUE	0216000000.		
35	03839	021050	03-FILLER	PIC X(120)	VALUE	*BB3 BB4		
36	03840	021060	03-FILLER	PIC X(75)	VALUE	SPACES.		
37	03841	021070	03-FILLER	PIC 9(10) COMP-3	VALUE	0300000000.		
38	03842	021080	03-FILLER	PIC X(120)	VALUE	*113 148 27 CR1 CR3 C		
39	03843	021090	03-FILLER	PIC X(75)	VALUE	SPACES.		
40	03844	021100	03-FILLER	PIC 9(10) COMP-3	VALUE	0500300100.		
41	03845	021110	03-FILLER	PIC X(120)	VALUE	SPACES.		
42	03846	021120	03-FILLER	PIC X(75)	VALUE	SPACES.		
43	03847	021130	03-FILLER	PIC 9(10) COMP-3	VALUE	0400000000.		
44	03848	021140	03-FILLER	PIC X(120)	VALUE	*E3 115 118 119 28 R9		
45	03849	021150	03-FILLER	PIC X(75)	VALUE	SPACES.		
46	03850	021160	03-FILLER	PIC 9(10) COMP-3	VALUE	0401000000.		
47	03851	021170	03-FILLER	PIC X(120)	VALUE	*R2 R3 R12		
48	03852	021180	03-FILLER	PIC X(75)	VALUE	SPACES.		
49	03853	021190	03-FILLER	PIC 9(10) COMP-3	VALUE	0404000000.		
50	03854	021200	03-FILLER	PIC X(120)	VALUE	*117 116 R111		
51	03855	021210	03-FILLER	PIC X(75)	VALUE	SPACES.		
52	03856	021220	03-FILLER	PIC 9(10) COMP-3	VALUE	0500300100.		
53	03857	021230	03-FILLER	PIC X(120)	VALUE	SPACES.		
54	03858	021240	03-FILLER	PIC X(75)	VALUE	SPACES.		
55	03859	021250	03-FILLER	PIC 9(10) COMP-3	VALUE	0500300100.		
56	03860	021260	03-FILLER	PIC X(120)	VALUE	SPACES.		
57	03861	021270	03-FILLER	PIC X(75)	VALUE	SPACES.		
58	03862	021280	03-FILLER	PIC 9(10) COMP-3	VALUE	0500300100.		
59	03863	021290	03-FILLER	PIC X(120)	VALUE	SPACES.		
60	03864	021300	03-FILLER	PIC X(75)	VALUE	SPACES.		
61	03865	021310	03-FILLER	PIC 9(10) COMP-3	VALUE	0500300100.		
62	03866	021320	03-FILLER	PIC X(120)	VALUE	SPACES.		
63	03867	021330	03-FILLER	PIC X(75)	VALUE	SPACES.		
64	03868	021340	03-FILLER	PIC 9(10) COMP-3	VALUE	0500300100.		
65	03869	021350	03-FILLER	PIC X(120)	VALUE	SPACES.		
66	03870	021360	03-FILLER	PIC X(75)	VALUE	SPACES.		
67	03871	021370	03-FILLER	PIC 9(10) COMP-3	VALUE	0500300100.		
68	03872	021380	03-FILLER	PIC X(120)	VALUE	SPACES.		
69	03873	021390	03-FILLER	PIC X(75)	VALUE	SPACES.		
70	03874	021400	03-FILLER	PIC 9(10) COMP-3	VALUE	0500300100.		
71	03875	021410	03-FILLER	PIC X(120)	VALUE	SPACES.		
72	03876	021420	03-FILLER	PIC X(75)	VALUE	SPACES.		
73	03877	021430	03-FILLER	PIC 9(10) COMP-3	VALUE	0500300100.		
74	03878	021440	03-FILLER	PIC X(120)	VALUE	SPACES.		
75	03879	021450	03-FILLER	PIC X(75)	VALUE	SPACES.		
76	03880	021460	03-FILLER	PIC 9(10) COMP-3	VALUE	0500300100.		
77	03881	021470	03-FILLER	PIC X(120)	VALUE	SPACES.		
78	03882	021480	03-FILLER	PIC X(75)	VALUE	SPACES.		
79	03883	021490	03-FILLER	PIC 9(10) COMP-3	VALUE	0500300100.		
80	03884	021500	03-FILLER	PIC X(120)	VALUE	SPACES.		
81	03885	021510	03-FILLER	PIC X(75)	VALUE	SPACES.		
82	03886	021520	03-FILLER	PIC 9(10) COMP-3	VALUE	0500300100.		
83	03887	021530	03-FILLER	PIC X(120)	VALUE	SPACES.		
84	03888	021540	03-FILLER	PIC X(75)	VALUE	SPACES.		
85	03889	021550	03-FILLER	PIC 9(10) COMP-3	VALUE	0500300100.		
86	03890	021560	03-FILLER	PIC X(120)	VALUE	SPACES.		
87	03891	021570	03-FILLER	PIC X(75)	VALUE	SPACES.		
88	03892	021580	03-FILLER	PIC 9(10) COMP-3	VALUE	0500300100.		
89	03893	021590	03-FILLER	PIC X(120)	VALUE	SPACES.		
90	03894	021600	03-FILLER	PIC X(75)	VALUE	SPACES.		
91	03895	021610	03-FILLER	PIC 9(10) COMP-3	VALUE	0500300100.		
92	03896	021620	03-FILLER	PIC X(120)	VALUE	SPACES.		
93	03897	021630	03-FILLER	PIC X(75)	VALUE	SPACES.		
94	03898	021640	03-FILLER	PIC 9(10) COMP-3	VALUE	0500300100.		
95	03899	021650	03-FILLER	PIC X(120)	VALUE	SPACES.		
96	03900	021660	03-FILLER	PIC X(75)	VALUE	SPACES.		
97	03901	021670	03-FILLER	PIC 9(10) COMP-3	VALUE	0500300100.		
98	03902	021680	03-FILLER	PIC X(120)	VALUE	SPACES.		
99	03903	021690	03-FILLER	PIC X(75)	VALUE	SPACES.		
100	03904	021700	03-FILLER	PIC 9(10) COMP-3	VALUE	0500300100.		

80 NM100 10-43-12 APR 3,1984

ENT NAME	BASE	DISP	RL01	DEFINITION
03913-021790	03 FILLER PIC X(175)	VALUE SPACES.		
03914-021800	03 FILLER PIC X(110) COMP-3	VALUE SPACES.	BL=38 705	DS 75C
03915-021810	03 FILLER PIC X(120)	VALUE 0528003000.	BL=38 820	DS 6P
03916-021820	03 FILLER PIC X(175)	VALUE *115 116 PARIS*	BL=38 826	DS 120C
03917-021830	03 FILLER PIC X(175)	VALUE SPACES.	BL=38 89E	DS 75C
03918-021840	03 FILLER PIC X(110) COMP-3	VALUE 0528060001.	BL=38 8E9	DS 6P
03919-021850	03 FILLER PIC X(120)	VALUE *PUR25PUR26PUR15PUR27PUR28	BL=38 8E4	DS 120C
03920-021860	*PUR29*			
03921-021870	03 FILLER PIC X(175)	VALUE SPACES.	BL=38 967	DS 75C
03922-021880	03 FILLER PIC X(110) COMP-3	VALUE 0528060003.	BL=38 982	DS 6P
03923-021890	03 FILLER PIC X(120)	VALUE *2035 204 208 4E1 4E2	BL=38 988	DS 120C
03924-021900	*SEF PUR10BP1 BP2 BP3 BP4 P4 P7 PPRI *			
03925-021910	03 FILLER PIC X(175)	VALUE SPACES.	BL=38 14	DS 75C
03926-021920	03 FILLER PIC X(110) COMP-3	VALUE 0528060004.	BL=38 178	DS 6P
03927-021930	03 FILLER PIC X(120)	VALUE *PPR2	BL=38 181	DS 120C
03928-021940	03 FILLER PIC X(175)	VALUE SPACES.	BL=38 18	DS 75C
03929-021950	03 FILLER PIC X(110) COMP-3	VALUE 0528060100.	BL=38 184	DS 6P
03930-021960	03 FILLER PIC X(120)	VALUE *PUR24228 230 5F22 *	BL=38 184	DS 120C
03931-021970	03 FILLER PIC X(175)	VALUE SPACES.	BL=38 182	DS 75C
03932-021980	03 FILLER PIC X(110) COMP-3	VALUE 0528060200.	BL=38 182	DS 6P
03933-021990	03 FILLER PIC X(120)	VALUE *5F23	BL=38 182	DS 120C
03934-022000	03 FILLER PIC X(175)	VALUE SPACES.	BL=38 182	DS 75C
03935-022010	03 FILLER PIC X(110) COMP-3	VALUE 0528060600.	BL=38 182	DS 6P
03936-022020	03 FILLER PIC X(120)	VALUE *PPR4	BL=38 182	DS 120C
03937-022030	03 FILLER PIC X(175)	VALUE SPACES.	BL=38 182	DS 75C
03938-022040	03 FILLER PIC X(110) COMP-3	VALUE 0528063200.	BL=38 182	DS 6P
03939-022050	03 FILLER PIC X(120)	VALUE *5E10	BL=38 182	DS 120C
03940-022060	03 FILLER PIC X(175)	VALUE SPACES.	BL=38 182	DS 75C
03941-022070	03 FILLER PIC X(110) COMP-3	VALUE 0528063204.	BL=38 182	DS 6P
03942-022080	03 FILLER PIC X(120)	VALUE *PPR3	BL=38 182	DS 120C
03943-022090	03 FILLER PIC X(175)	VALUE SPACES.	BL=38 182	DS 75C
03944-022100	03 FILLER PIC X(110) COMP-3	VALUE 0528063300.	BL=38 182	DS 6P
03945-022110	03 FILLER PIC X(120)	VALUE *214 213 PUR8563 5E1 5	BL=38 182	DS 120C
03946-022120	*E11			
03947-022130	03 FILLER PIC X(175)	VALUE SPACES.	BL=38 182	DS 75C
03948-022140	03 FILLER PIC X(110) COMP-3	VALUE 0528064100.	BL=38 182	DS 6P
03949-022150	03 FILLER PIC X(120)	VALUE *6 7 17 *	BL=38 182	DS 120C
03950-022160	03 FILLER PIC X(175)	VALUE SPACES.	BL=38 182	DS 75C
03951-022170	03 FILLER PIC X(110) COMP-3	VALUE 0528064101.	BL=38 182	DS 6P
03952-022180	03 FILLER PIC X(120)	VALUE *13	BL=38 182	DS 120C
03953-022190	03 FILLER PIC X(175)	VALUE SPACES.	BL=38 182	DS 75C
03954-022200	03 FILLER PIC X(110) COMP-3	VALUE 0528070000.	BL=38 182	DS 6P
03955-022210	03 FILLER PIC X(120)	VALUE *156	BL=38 182	DS 120C
03956-022220	03 FILLER PIC X(175)	VALUE SPACES.	BL=38 182	DS 75C
03957-022230	03 FILLER PIC X(110) COMP-3	VALUE 0528070200.	BL=38 182	DS 6P
03958-022240	03 FILLER PIC X(120)	VALUE *156	BL=38 182	DS 120C
03959-022250	03 FILLER PIC X(175)	VALUE SPACES.	BL=38 182	DS 75C
03960-022260	03 FILLER PIC X(110) COMP-3	VALUE 0528120000.	BL=38 182	DS 6P
03961-022270	03 FILLER PIC X(120)	VALUE *135 163	BL=38 182	DS 120C
03962-022280	03 FILLER PIC X(175)	VALUE SPACES.	BL=38 182	DS 75C
03963-022290	03 FILLER PIC X(110) COMP-3	VALUE 0528160000.	BL=38 182	DS 6P
03964-022300	03 FILLER PIC X(120)	VALUE *125 PG1	BL=38 182	DS 120C
03965-022310	03 FILLER PIC X(175)	VALUE SPACES.	BL=38 182	DS 75C
03966-022320	03 FILLER PIC X(110) COMP-3	VALUE 0528170000.	BL=38 182	DS 6P

INT NAME BASE DISP RLOI DEFINITION

81 NM100 10.43.12 APR 3, 1984

INT NAME	BASE	DISP	RLOI	DEFINITION
DNM=134-21	BL=39	486	1159	DS 120C
DNM=134-22	BL=39	52E	1279	DS 75C
DNM=134-23	BL=39	579	1354	DS 6P
DNM=134-25	BL=39	57F	1360	DS 120C
DNM=134-26	BL=39	5F7	1480	DS 75C
DNM=134-28	BL=39	642	1555	DS 6P
DNM=134-29	BL=39	648	1561	DS 120C
DNM=134-30	BL=39	6C0	1681	DS 75C
DNM=134-32	BL=39	708	1756	DS 6P
DNM=134-33	BL=39	711	1762	DS 120C
DNM=134-35	BL=39	789	1882	DS 75C
DNM=134-36	BL=39	70A	1957	DS 6P
DNM=134-37	BL=39	70A	1963	DS 120C
DNM=134-39	BL=39	852	2083	DS 75C
DNM=134-40	BL=39	89D	2158	DS 6P
DNM=134-42	BL=39	8A3	2164	DS 120C
DNM=134-43	BL=39	918	2284	DS 75C
DNM=134-44	BL=39	966	2359	DS 6P
DNM=134-46	BL=39	96C	2365	DS 120C
DNM=134-47	BL=39	9E4	2485	DS 75C
DNM=134-49	BL=39	A2F	2560	DS 6P
DNM=135-00	BL=39	A35	2566	DS 120C
DNM=135-01	BL=39	AAD	2686	DS 75C
DNM=135-02	BL=39	AF8	2761	DS 6P
DNM=135-04	BL=39	AFF	2767	DS 120C
DNM=135-05	BL=39	876	2887	DS 75C
DNM=135-07	BL=39	BCL	2962	DS 6P
DNM=135-08	BL=39	BC7	2968	DS 120C
DNM=135-09	BL=39	C3F	3088	DS 75C
DNM=135-11	BL=39	C8A	3163	DS 6P
DNM=135-12	BL=39	C90	3169	DS 120C
DNM=135-14	BL=39	C08	3289	DS 75C
DNM=135-15	BL=39	C53	3364	DS 6P
DNM=135-16	BL=39	D59	3370	DS 120C
DNM=135-18	BL=39	DD1	3490	DS 75C
DNM=135-19	BL=39	E1C	3565	DS 6P
DNM=135-21	BL=39	E22	3571	DS 120C
DNM=135-22	BL=39	E9A	3691	DS 75C
DNM=135-23	BL=39	EE5	3766	DS 6P
DNM=135-25	BL=39	EE8	3772	DS 120C
DNM=135-28	BL=39	F63	3892	DS 75C
DNM=135-29	BL=39	FAE	3967	DS 6P
DNM=135-29	BL=39	F84	3973	DS 120C
DNM=135-30	BL=40	O2C	4093	DS 75C
DNM=135-32	BL=40	077	4168	DS 6P
DNM=135-33	BL=40	07D	4174	DS 120C
DNM=135-35	BL=40	0F5	4294	DS 75C
DNM=135-36	BL=40	140	4369	DS 6P
DNM=135-37	BL=40	146	4375	DS 120C
DNM=135-39	BL=40	18E	4495	DS 75C

03 FILLER PIC X(120) VALUE *P8R1
 03 FILLER PIC X(75) VALUE SPACES.
 03 FILLER PIC 9(10) COMP-3 VALUE *0528200000.
 03 FILLER PIC X(120) VALUE *105 106 109 101 TRI T
 *R2 TR3 TR4 TR5 TR6 TR7 TR8 TR9 *.
 03 FILLER PIC X(75) VALUE SPACES.
 03 FILLER PIC 9(10) COMP-3 VALUE *0528200200.
 03 FILLER PIC X(120) VALUE *TTC2 TTC3 TTC4 TTC5 *.
 03 FILLER PIC X(75) VALUE SPACES.
 03 FILLER PIC 9(10) COMP-3 VALUE *0528200300.
 03 FILLER PIC X(120) VALUE *TGC4 *.
 03 FILLER PIC X(75) VALUE SPACES.
 03 FILLER PIC 9(10) COMP-3 VALUE *0528200R00.
 03 FILLER PIC X(120) VALUE *TFC4 TFC5 *.
 03 FILLER PIC X(75) VALUE SPACES.
 03 FILLER PIC 9(10) COMP-3 VALUE *0528201000.
 03 FILLER PIC X(120) VALUE *TTN4 TTN5 *.
 03 FILLER PIC X(75) VALUE SPACES.
 03 FILLER PIC 9(10) COMP-3 VALUE *0528201700.
 03 FILLER PIC X(120) VALUE *TCC3 *.
 03 FILLER PIC X(75) VALUE SPACES.
 03 FILLER PIC 9(10) COMP-3 VALUE *0528202000.
 03 FILLER PIC X(120) VALUE *TSC4 *.
 03 FILLER PIC X(75) VALUE SPACES.
 03 FILLER PIC 9(10) COMP-3 VALUE *0528290100.
 03 FILLER PIC X(120) VALUE *P8B1 *.
 03 FILLER PIC X(75) VALUE SPACES.
 03 FILLER PIC 9(10) COMP-3 VALUE *0528350000.
 03 FILLER PIC X(120) VALUE *PDM1 PAR34 *.
 03 FILLER PIC X(75) VALUE SPACES.
 03 FILLER PIC 9(10) COMP-3 VALUE *0528370000.
 03 FILLER PIC X(120) VALUE *1495 146 150 151 PSC1 *.
 03 FILLER PIC X(75) VALUE SPACES.
 03 FILLER PIC 9(10) COMP-3 VALUE *0528400000.
 03 FILLER PIC X(120) VALUE *S88 S89 *.
 03 FILLER PIC X(75) VALUE SPACES.
 03 FILLER PIC 9(10) COMP-3 VALUE *0530000000.
 03 FILLER PIC X(120) VALUE *S83 J811 J812 J813 J814 J
 *815 *.
 03 FILLER PIC X(75) VALUE SPACES.
 03 FILLER PIC 9(10) COMP-3 VALUE *0530400000.
 03 FILLER PIC X(120) VALUE *J813 *.
 03 FILLER PIC X(75) VALUE SPACES.
 03 FILLER PIC 9(10) COMP-3 VALUE *0534000000.
 03 FILLER PIC X(120) VALUE *CN13 S70 S78 *.
 03 FILLER PIC X(75) VALUE SPACES.
 03 FILLER PIC 9(10) COMP-3 VALUE *0534040000.
 03 FILLER PIC X(120) VALUE *J813 *.
 03 FILLER PIC X(75) VALUE SPACES.
 03 FILLER PIC 9(10) COMP-3 VALUE *0534100000.
 03 FILLER PIC X(120) VALUE *A02 A03 A04 A05 A06 A
 *07 A08 A09 B01 B02 B03 B04 B05 B06 B07 B08 B09
 * A01C A02C A03C A04C B01C B02C B03C *.
 03 FILLER PIC X(75) VALUE *A065 C01C C02C C03C C04C C

82 NM130 10.43.12 APR 3.1984

INT NAME BASE DISP RL01 DEFINITION

INT NAME	BASE	DISP	RL01	DEFINITION
04021	022970			*05C C06C C07G C08G C09C A01S A02S A03S A04S A05S *
04022	022980	03	FILLER	PIC 9(10) COMP-3 VALUE '0534100100.
04023	022990	03	FILLER	PIC X(120) VALUE '004C D05C D06C D07C D08C *.
04024	022900	03	FILLER	PIC X(75) VALUE SPACES.
04025	022910	03	FILLER	PIC 9(10) COMP-3 VALUE '0534100200.
04026	022920	03	FILLER	PIC X(120) VALUE '013C *.
04027	022930	03	FILLER	PIC X(75) VALUE SPACES.
04028	022940	03	FILLER	PIC 9(10) COMP-3 VALUE '0535000100.
04029	022950	03	FILLER	PIC X(120) VALUE 'M8 M9 M10 M11 *.
04030	022960	03	FILLER	PIC X(75) VALUE SPACES.
04031	022970	03	FILLER	PIC 9(10) COMP-3 VALUE '0535000200.
04032	022980	03	FILLER	PIC X(120) VALUE '421 422S 434 437S NR1S N
04033	022990	03	FILLER	PIC X(75) VALUE 'R3S NR4 NR12NR13M12 M13 M14 M15 M16 *.
04034	023000	03	FILLER	PIC X(75) VALUE SPACES.
04035	023010	03	FILLER	PIC 9(10) COMP-3 VALUE '0535000300.
04036	023020	03	FILLER	PIC X(120) VALUE '403 404 406 407 408 4
04037	023030	03	FILLER	PIC X(75) VALUE '09 410S 411 413 414 415 416 N1 N2
04038	023040	03	FILLER	PIC X(75) VALUE '03MNR04NR05MNR06MNR07MNR08MNR09MNR10.
04039	023050	03	FILLER	PIC X(75) VALUE 'MNR11MNR12MNR13MNR14MNR15M
04040	023060	03	FILLER	PIC X(75) VALUE 'MNR16MNR17MNR18MNR19MNR20MNR21MNR22MNR23MNR24MNR25 *.
04041	023070	03	FILLER	PIC 9(10) COMP-3 VALUE '0535020000.
04042	023080	03	FILLER	PIC X(120) VALUE 'S68 S69
04043	023090	03	FILLER	PIC X(75) VALUE SPACES.
04044	023100	03	FILLER	PIC 9(10) COMP-3 VALUE '0535030000.
04045	023110	03	FILLER	PIC X(120) VALUE 'B1 S62 S63 S66
04046	023120	03	FILLER	PIC X(75) VALUE SPACES.
04047	023130	03	FILLER	PIC 9(10) COMP-3 VALUE '0535031100.
04048	023140	03	FILLER	PIC X(120) VALUE 'S67
04049	023150	03	FILLER	PIC X(75) VALUE SPACES.
04050	023160	03	FILLER	PIC 9(10) COMP-3 VALUE '0535050000.
04051	023170	03	FILLER	PIC X(120) VALUE 'A2 A3 A4 A5 A6 A
04052	023180	03	FILLER	PIC X(75) VALUE 'A7 A8 A9 A10 A11 A12 A13 A14 A15 A16 A17 A18 A19 A20 A21 A22 A23 A24 A25 A26 A27 A28 A29 A30 A31 A32 A33 A34 A35 A36 A37 A38 A39 A40 A41 A42 A43 A44 A45 A46 A47 A48 A49 A50 A51 A52 A53 A54 A55 A56 A57 A58 A59 A60 A61 A62 A63 A64 A65 A66 A67 A68 A69 A70 A71 A72 A73 A74 A75 A76 A77 A78 A79 A80 A81 A82 A83 A84 A85 A86 A87 A88 A89 A90 A91 A92 A93 A94 A95 A96 A97 A98 A99 A100
04053	023190	03	FILLER	PIC X(75) VALUE SPACES.
04054	023200	03	FILLER	PIC 9(10) COMP-3 VALUE '0535050200.
04055	023210	03	FILLER	PIC X(120) VALUE 'D3 D4 D5 D6 D7 D
04056	023220	03	FILLER	PIC X(75) VALUE SPACES.
04057	023230	03	FILLER	PIC 9(10) COMP-3 VALUE SPACES.
04058	023240	03	FILLER	PIC X(120) VALUE '0535060000.
04059	023250	03	FILLER	PIC X(75) VALUE 'S59
04060	023260	03	FILLER	PIC X(120) VALUE SPACES.
04061	023270	03	FILLER	PIC X(75) VALUE SPACES.
04062	023280	03	FILLER	PIC 9(10) COMP-3 VALUE '0535080000.
04063	023290	03	FILLER	PIC X(120) VALUE 'S53 S54 S56 S57 S55 *.
04064	023300	03	FILLER	PIC X(75) VALUE SPACES.
04065	023310	03	FILLER	PIC 9(10) COMP-3 VALUE 'NR7 L1 L2 NBD1 430.
04066	023320	03	FILLER	PIC X(120) VALUE SPACES.
04067	023330	03	FILLER	PIC 9(10) COMP-3 VALUE '0535100000.
04068	023340	03	FILLER	PIC X(75) VALUE 'NR5 L3 NGS1 NGS2 NGS3
04069	023350	03	FILLER	PIC X(120) VALUE SPACES.
04070	023360	03	FILLER	PIC 9(10) COMP-3 VALUE '0535110000.
04071	023370	03	FILLER	PIC X(75) VALUE 'NR5 L3 NGS1 NGS2 NGS3
04072	023380	03	FILLER	PIC X(120) VALUE SPACES.
04073	023390	03	FILLER	PIC 9(10) COMP-3 VALUE '0535120000.
04074	023400	03	FILLER	PIC X(75) VALUE SPACES.

83 10.43.12 APR 3, 1984

NH100

04075 023410 03 FILLER PIC X(175) VALUE *NUB1 NUB2 NUB3

04076 023420 03 FILLER PIC X(175) VALUE SPACES.

04077 023430 03 FILLER PIC X(110) COMP-3 VALUE 0535150000.

04078 023440 03 FILLER PIC X(120) VALUE *K3 NR9S

04079 023450 03 FILLER PIC X(175) VALUE SPACES.

04080 023460 03 FILLER PIC X(175) VALUE 0535160000.

04081 023470 03 FILLER PIC X(120) VALUE *K1 K2 NHG1

04082 023480 03 FILLER PIC X(175) VALUE SPACES.

04083 023490 03 FILLER PIC X(110) COMP-3 VALUE 0535200000.

04084 023500 03 FILLER PIC X(120) VALUE *S23 S25

04085 023510 03 FILLER PIC X(175) VALUE SPACES.

04086 023520 03 FILLER PIC X(110) COMP-3 VALUE 0535240000.

04087 023530 03 FILLER PIC X(120) VALUE *S40

04088 023540 03 FILLER PIC X(175) VALUE SPACES.

04089 023550 03 FILLER PIC X(110) COMP-3 VALUE *NSW3 NSW4 NSW5

04090 023560 03 FILLER PIC X(120) VALUE SPACES.

04091 023570 03 FILLER PIC X(175) VALUE 0535250000.

04092 023580 03 FILLER PIC X(110) COMP-3 VALUE SPACES.

04093 023590 03 FILLER PIC X(120) VALUE *NB44

04094 023600 03 FILLER PIC X(175) VALUE SPACES.

04095 023610 03 FILLER PIC X(110) COMP-3 VALUE 0535300000.

04096 023620 03 FILLER PIC X(120) VALUE *503 504 505 506

04097 023630 03 FILLER PIC X(175) VALUE *TR8 510 512 N3 N4 511 TTR1 TTR2 TTR3 TTR4 TTR5 TTR

04098 023640 03 FILLER PIC X(175) VALUE SPACES.

04099 023650 03 FILLER PIC X(110) COMP-3 VALUE 0535300100.

04100 023660 03 FILLER PIC X(120) VALUE *TR2 TBR3 TBR4

04101 023670 03 FILLER PIC X(175) VALUE SPACES.

04102 023680 03 FILLER PIC X(110) COMP-3 VALUE 0535400000.

04103 023690 03 FILLER PIC X(120) VALUE *NCNO4NCNO5NCNO6NCNO7

04104 023700 03 FILLER PIC X(175) VALUE SPACES.

04105 023710 03 FILLER PIC X(110) COMP-3 VALUE *NL14

04106 023720 03 FILLER PIC X(120) VALUE SPACES.

04107 023730 03 FILLER PIC X(175) VALUE 0535540000.

04108 023740 03 FILLER PIC X(110) COMP-3 VALUE SPACES.

04109 023750 03 FILLER PIC X(120) VALUE *NM14

04110 023760 03 FILLER PIC X(175) VALUE SPACES.

04111 023770 03 FILLER PIC X(110) COMP-3 VALUE 0537000000.

04112 023780 03 FILLER PIC X(120) VALUE *M19 J31 S41

04113 023790 03 FILLER PIC X(175) VALUE SPACES.

04114 023800 03 FILLER PIC X(110) COMP-3 VALUE 0537030000.

04115 023810 03 FILLER PIC X(120) VALUE *S31 S32 S35 S37

04116 023820 03 FILLER PIC X(175) VALUE SPACES.

04117 023830 03 FILLER PIC X(110) COMP-3 VALUE C537040000.

04118 023840 03 FILLER PIC X(120) VALUE *S34

04119 023850 03 FILLER PIC X(175) VALUE SPACES.

04120 023860 03 FILLER PIC X(110) COMP-3 VALUE 0601100000.

04121 023870 03 FILLER PIC X(120) VALUE *M19 J31 S41

04122 023880 03 FILLER PIC X(175) VALUE SPACES.

04123 023890 03 FILLER PIC X(110) COMP-3 VALUE 0551552

04124 023900 03 FILLER PIC X(120) VALUE SPACES.

04125 023910 03 FILLER PIC X(175) VALUE 0601130000.

04126 023920 03 FILLER PIC X(110) COMP-3 VALUE *S12 S13

04127 023930 03 FILLER PIC X(120) VALUE SPACES.

04128 023940 03 FILLER PIC X(175) VALUE 0602000000.

04129 023950 03 FILLER PIC X(110) COMP-3 VALUE *C84 C85 C86 C88 C815 C

04130 023960 03 FILLER PIC X(120) VALUE 0641 A60 2615

04131 023970 03 FILLER PIC X(175) VALUE 0641 A66 2609

04132 023980 03 FILLER PIC X(110) COMP-3 VALUE 0641 A66 2615

04133 023990 03 FILLER PIC X(120) VALUE 0641 A66 2615

04134 024000 03 FILLER PIC X(175) VALUE 0641 A66 2615

04135 024010 03 FILLER PIC X(110) COMP-3 VALUE 0641 A66 2615

04136 024020 03 FILLER PIC X(120) VALUE 0641 A66 2615

04137 024030 03 FILLER PIC X(175) VALUE 0641 A66 2615

04138 024040 03 FILLER PIC X(110) COMP-3 VALUE 0641 A66 2615

04139 024050 03 FILLER PIC X(120) VALUE 0641 A66 2615

04140 024060 03 FILLER PIC X(175) VALUE 0641 A66 2615

04141 024070 03 FILLER PIC X(110) COMP-3 VALUE 0641 A66 2615

04142 024080 03 FILLER PIC X(120) VALUE 0641 A66 2615

04143 024090 03 FILLER PIC X(175) VALUE 0641 A66 2615

04144 024100 03 FILLER PIC X(110) COMP-3 VALUE 0641 A66 2615

04145 024110 03 FILLER PIC X(120) VALUE 0641 A66 2615

04146 024120 03 FILLER PIC X(175) VALUE 0641 A66 2615

04147 024130 03 FILLER PIC X(110) COMP-3 VALUE 0641 A66 2615

04148 024140 03 FILLER PIC X(120) VALUE 0641 A66 2615

04149 024150 03 FILLER PIC X(175) VALUE 0641 A66 2615

04150 024160 03 FILLER PIC X(110) COMP-3 VALUE 0641 A66 2615

04151 024170 03 FILLER PIC X(120) VALUE 0641 A66 2615

04152 024180 03 FILLER PIC X(175) VALUE 0641 A66 2615

04153 024190 03 FILLER PIC X(110) COMP-3 VALUE 0641 A66 2615

04154 024200 03 FILLER PIC X(120) VALUE 0641 A66 2615

04155 024210 03 FILLER PIC X(175) VALUE 0641 A66 2615

04156 024220 03 FILLER PIC X(110) COMP-3 VALUE 0641 A66 2615

04157 024230 03 FILLER PIC X(120) VALUE 0641 A66 2615

04158 024240 03 FILLER PIC X(175) VALUE 0641 A66 2615

04159 024250 03 FILLER PIC X(110) COMP-3 VALUE 0641 A66 2615

04160 024260 03 FILLER PIC X(120) VALUE 0641 A66 2615

04161 024270 03 FILLER PIC X(175) VALUE 0641 A66 2615

04162 024280 03 FILLER PIC X(110) COMP-3 VALUE 0641 A66 2615

04163 024290 03 FILLER PIC X(120) VALUE 0641 A66 2615

04164 024300 03 FILLER PIC X(175) VALUE 0641 A66 2615

04165 024310 03 FILLER PIC X(110) COMP-3 VALUE 0641 A66 2615

04166 024320 03 FILLER PIC X(120) VALUE 0641 A66 2615

04167 024330 03 FILLER PIC X(175) VALUE 0641 A66 2615

04168 024340 03 FILLER PIC X(110) COMP-3 VALUE 0641 A66 2615

04169 024350 03 FILLER PIC X(120) VALUE 0641 A66 2615

04170 024360 03 FILLER PIC X(175) VALUE 0641 A66 2615

84

MM100

10.43.12

APR 3, 1984

INT NAME

BASE DISP RLO1 DEFINITION

INT NAME	BASE	DISP	RLO1	DEFINITION
04129	023950			*016-CB21-CB23-CB27-CB28-CB28S511-S14-S16-S18-17-20
04130	023060			16 C014 C019
04131	023970			03 FILLER PIC X(175) VALUE SPACES.
04132	023980			03 FILLER PIC 9(10) COMP-3 VALUE 1101020000.
04133	023990			03 FILLER PIC X(120) VALUE *0C4 QC5 QC6 QC7 QC8 Q
04134	024000			*C9 QC10
04135	024010			03 FILLER PIC X(175) VALUE SPACES.
04136	024020			03 FILLER PIC 9(10) COMP-3 VALUE 1101030000.
04137	024030			03 FILLER PIC X(120) VALUE *BC4 BC5 BC6
04138	024040			03 FILLER PIC X(175) VALUE SPACES.
04139	024050			03 FILLER PIC 9(10) COMP-3 VALUE 1102000000.
04140	024060			03 FILLER PIC X(120) VALUE *R04 B05 B06 B07
04141	024070			03 FILLER PIC X(175) VALUE SPACES.
04142	024080			03 FILLER PIC 9(10) COMP-3 VALUE 1102010000.
04143	024090			03 FILLER PIC X(120) VALUE *H84 H85 H86 2
04144	024100			03 FILLER PIC X(175) VALUE SPACES.
04145	024110			03 FILLER PIC 9(10) COMP-3 VALUE 1201010000.
04146	024120			03 FILLER PIC X(120) VALUE *NR39 NR39 NR40 NR41 NR42 N
04147	024130			*R43 NR44-NR46-NR47
04148	024140			03 FILLER PIC X(175) VALUE SPACES.
04149	024150			03 FILLER PIC 9(10) COMP-3 VALUE 1201020100.
04150	024160			03 FILLER PIC X(120) VALUE *NR33 NR34-NR60 NR76
04151	024170			03 FILLER PIC X(175) VALUE SPACES.
04152	024180			03 FILLER PIC 9(10) COMP-3 VALUE 1201020200.
04153	024190			03 FILLER PIC X(120) VALUE *NR26 NR27-NR61-NR62-NR63-N
04154	024200			*R64
04155	024210			03 FILLER PIC X(175) VALUE SPACES.
04156	024220			03 FILLER PIC 9(10) COMP-3 VALUE 1201020300.
04157	024230			03 FILLER PIC X(120) VALUE *NR66 NR67 NR68
04158	024240			03 FILLER PIC X(175) VALUE SPACES.
04159	024250			03 FILLER PIC 9(10) COMP-3 VALUE 1201020400.
04160	024260			03 FILLER PIC X(120) VALUE *NR53
04161	024270			03 FILLER PIC X(175) VALUE SPACES.
04162	024280			03 FILLER PIC 9(10) COMP-3 VALUE 1201030100.
04163	024290			03 FILLER PIC X(120) VALUE *NR69 NR70 NR71 NR72
04164	024300			03 FILLER PIC X(175) VALUE SPACES.
04165	024310			03 FILLER PIC 9(10) COMP-3 VALUE 1201030300.
04166	024320			03 FILLER PIC X(120) VALUE *NR73 NR74 NR75
04167	024330			03 FILLER PIC X(175) VALUE SPACES.
04168	024340			03 FILLER PIC 9(10) COMP-3 VALUE 1301060000.
04169	024350			03 FILLER PIC X(120) VALUE *SS113
04170	024360			03 FILLER PIC X(175) VALUE SPACES.
04171	024370			03 FILLER PIC 9(10) COMP-3 VALUE 1302030000.
04172	024380			03 FILLER PIC X(120) VALUE *SS01SS01SS05 SS09
04173	024390			03 FILLER PIC X(175) VALUE SPACES.
04174	024400			03 FILLER PIC 9(10) COMP-3 VALUE 1303000000.
04175	024410			03 FILLER PIC X(120) VALUE *IHW7 IHW8 IHW9 IHW10IHW11
04176	024420			*IHW12IHW13
04177	024430			03 FILLER PIC X(175) VALUE SPACES.
04178	024440			03 FILLER PIC 9(10) COMP-3 VALUE 1401000000.
04179	024450			03 FILLER PIC X(120) VALUE *T14 T15 T16 T17 T18 T
04180	024460			*T19 T110
04181	024470			03 FILLER PIC X(175) VALUE SPACES.
04182	024480			03 FILLER PIC 9(10) COMP-3 VALUE 1401020000.

88

NR100

10.43.12

APR 3.1984

INT NAME

BASE

DISP

RL01

DEFINITION

04345 026110 03 FILLER PIC X(120) VALUE =TU4 TUS TU6
 04346 026120 03 FILLER PIC X(75) VALUE SPACES.
 04347 026130 03 FILLER PIC 9(10) COMP-3 VALUE 2201010000.
 04348 026140 03 FILLER PIC X(120) VALUE =EC6 EC5
 04349 026150 03 FILLER PIC X(75) VALUE SPACES.
 04350 026160 03 FILLER PIC 9(10) COMP-3 VALUE 2202060000.
 04351 026170 03 FILLER PIC X(120) VALUE =S817
 04352 026180 03 FILLER PIC X(75) VALUE SPACES.
 04353 026190 03 FILLER PIC 9(10) COMP-3 VALUE 2203010000.
 04354 026200 03 FILLER PIC X(120) VALUE =CR4 CR5
 04355 026210 03 FILLER PIC X(75) VALUE SPACES.
 04356 026220 03 FILLER PIC 9(10) COMP-3 VALUE 2205000000.
 04357 026230 03 FILLER PIC X(120) VALUE =1M651M661M671M681M691
 04358 026240 *M701M71
 04359 026250 03 FILLER PIC X(75) VALUE SPACES.
 04360 026260 03 FILLER PIC 9(10) COMP-3 VALUE =9999999999.
 04361 026270 03 FILLER PIC X(120) VALUE SPACES.
 04362 026280 03 FILLER PIC X(75) VALUE SPACES.
 04363 026290
 04364 026300 * * * * * TABLE NOW CONTAINS 239 ENTRIES 03/30/84 *
 04365 026310 * * * * * +01 ALL-9 ENTRIES * * * * *
 04366 026320 * * * * *
 04367 026330 * * * * *
 04368 026340 01 STATION-TABLE-2-R REDEFINES STATION-TABLE-2.
 04369 026350 03-LOC-WITH-04-42-STATIONS OCCURS 240 TIMES
 04370 026360 ASCENDING KEY LOCATION-2
 04371 026370 INDEXED BY LOC-2-IX.
 04372 026380 05 LOCATION-2
 04373 026390 05 STATION-2 OCCURS 39 TIMES INDEXED BY STA-2-IX
 04374 026400 PIC X(5).
 DNM=143-29 BL=44 B14 6885 DS 120C
 DNM=143-30 BL=44 B8C 7005 DS 75C
 DNM=143-32 BL=44 BD7 7080 DS 6P
 DNM=143-33 BL=44 BDU 7086 DS 120C
 DNM=143-35 BL=44 C55 7206 DS 75C
 DNM=143-36 BL=44 CA0 7281 DS 6P
 DNM=143-37 BL=44 CA6 7287 DS 120C
 DNM=143-39 BL=44 D1E 7407 DS 75C
 DNM=143-40 BL=44 D69 7482 DS 6P
 DNM=143-42 BL=44 D6F 7488 DS 120C
 DNM=143-43 BL=44 DE7 7608 DS 75C
 DNM=143-44 BL=44 E32 7683 DS 6P
 DNM=143-46 BL=44 E38 7689 DS 120C
 DNM=143-47 BL=44 E80 7809 DS 75C
 DNM=143-49 BL=44 EFB 7884 DS 6P
 DNM=144-00 BL=44 F01 7890 DS 120C
 DNM=144-01 BL=44 F79 8010 DS 75C
 DNM=144-02 BL=33 030 0001 DS 0CL48240
 DNM=144-07 BL=33 030 0001 DS 0CL203
 DNM=144-11 BL=33 030 0001 DS 6P
 DNM=144-16 BL=33 036 0007 DS 5C

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80

INT NAME BASE DISP RLO1 DEFINITION

10-43-12 APR 3, 1984

89 NM100

LINE	ADDRESS	OPERATION	OPERANDS	OPERATION	OPERANDS	OPERATION	OPERANDS	OPERATION	OPERANDS
2	04376	026420*							
3	04377	026430*							
4	04378	026440 01	STATION-TABLE-3.						
5	04379	026450	03-FILLER PIC-9(10) COMP-3 VALUE 0200000000.						
6	04380	026460	03-FILLER PIC X(120)						
7	04381	026470							
8	04382	026480							
9	04383	026490							
10	04384	026500	03-FILLER PIC X(120) VALUE SPACES.						
11	04385	026510	03-FILLER PIC X(120) VALUE SPACES.						
12	04386	026520	03-FILLER PIC X(120) VALUE SPACES.						
13	04387	026530*							
14	04388	026540	03-FILLER PIC-9(10) COMP-3 VALUE 0202000000.						
15	04389	026550	03-FILLER PIC X(120) VALUE						
16	04390	026560	'A17 A18 A19 A20 A22 A23 A24 B1A B3A B17						
17	04391	026570	'EPI1 EPI2 EPI3 EPI4-13-24-10-26-27						
18	04392	026580							
19	04393	026590	03-FILLER PIC X(120) VALUE SPACES.						
20	04394	026600	03-FILLER PIC X(120) VALUE SPACES.						
21	04395	026610	03-FILLER PIC X(120) VALUE SPACES.						
22	04396	026620*							
23	04397	026630	03-FILLER PIC-9(10) COMP-3 VALUE 0205000000.						
24	04398	026640	03-FILLER PIC X(120) VALUE						
25	04399	026650	'36						
26	04400	026660							
27	04401	026670							
28	04402	026680	03-FILLER PIC X(120) VALUE SPACES.						
29	04403	026690	03-FILLER PIC X(120) VALUE SPACES.						
30	04404	026700	03-FILLER PIC X(120) VALUE SPACES.						
31	04405	026710*							
32	04406	026720	03-FILLER PIC-9(10) COMP-3 VALUE 0536100000.						
33	04407	026730	03-FILLER PIC X(120) VALUE						
34	04408	026740	'A075 A085 A095 A105 A125 A135 A145 A155 A165 A175						
35	04409	026750	'A185-A195 B015 B025 B035 B045 B055 B065 B075 B085						
36	04410	026760	'B095 B105 B115 B125						
37	04411	026770	03-FILLER PIC X(120) VALUE						
38	04412	026780	'B135 B145 B155 B165 B175 B185 C015-C025 C035-C045						
39	04413	026790	'C055 C065 C075 C085 C095 C105 C115 C125 C135 C145						
40	04414	026800	'C155 C165 C175 C185						
41	04415	026810	03-FILLER PIC X(120) VALUE						
42	04416	026820	'D015 D025 D035 D045 D055 D065 D075 D085 D095 D105						
43	04417	026830	'D115 D125 D135 D145 D155 D165 D175 D185 D195 D205						
44	04418	026840	'D215 A115 C01-C02						
45	04419	026850	03-FILLER PIC X(120) VALUE						
46	04420	026860	'C03 C04 C05 C06 C07 C08 C09 C01 D02 D03						
47	04421	026870	'D04-D05-D06-D07-D08-D09-NBRI						
48	04422	026880							
49	04423	026890*							
50	04424	026900	03-FILLER PIC-9(10) COMP-3 VALUE 0535000300.						
51	04425	026910	03-FILLER PIC X(120) VALUE						
52	04426	026920	'NNR26						
53	04427	026930							
54	04428	026940							
55	04429	026950	03-FILLER PIC X(120) VALUE SPACES.						

DNN=144-18 BL=44 FC8 0001 DS 0CL7776
DNN=144-21 BL=44 FC8 0001 DS 6P
DNN=144-23 BL=44 FCE 0007 DS 120C
DNN=144-24 BL=45 046 0127 DS 120C
DNN=144-26 BL=45 08E 0247 DS 120E
DNN=144-27 BL=45 136 0367 DS 120C
DNN=144-28 BL=45 1AE 0487 DS 6P
DNN=144-30 BL=45 184 0493 DS 120C
DNN=144-31 BL=45 22C 0613 DS 120C
DNN=144-33 BL=45 2A4 0733 DS 120C
DNN=144-34 BL=45 31C 0853 DS 120C
DNN=144-35 BL=45 394 C973 DS 6P
DNN=144-37 BL=45 39A 0979 DS 120C
DNN=144-38 BL=45 412 1099 DS 120C
DNN=144-40 BL=45 48A 1219 DS 120C
DNN=144-41 BL=45 502 1339 DS 120C
DNN=144-42 BL=45 57A 1459 DS 6P
DNN=144-44 BL=45 580 1465 DS 120C
DNN=144-45 BL=45 5F8 1585 DS 120C
DNN=144-47 BL=45 670 1705 DS 120C
DNN=144-48 BL=45 6E8 1825 DS 120C
DNN=145-00 BL=45 760 1945 DS 6P
DNN=145-01 BL=45 766 1951 DS 120C
DNN=145-02 BL=45 7DE 2071 DS 120C

90 NM100 10.43.12 APR 3.1984

04430 026960 03 FILLER PIC X(120) VALUE SPACES.

04431 026970 03 FILLER PIC X(120) VALUE SPACES.

04432 026980 03 FILLER PIC X(120) VALUE SPACES.

04433 026990 03 FILLER PIC X(120) VALUE SPACES.

04434 027000 03 FILLER PIC X(120) VALUE SPACES.

04435 027010 03 FILLER PIC X(120) VALUE SPACES.

04436 027020 03 FILLER PIC X(120) VALUE SPACES.

04437 027030 03 FILLER PIC X(120) VALUE SPACES.

04438 027040 03 FILLER PIC X(120) VALUE SPACES.

04439 027050 03 FILLER PIC X(120) VALUE SPACES.

04440 027060 03 FILLER PIC X(120) VALUE SPACES.

04441 027070 03 FILLER PIC X(120) VALUE SPACES.

04442 027080 03 FILLER PIC X(120) VALUE SPACES.

04443 027090 03 FILLER PIC X(120) VALUE SPACES.

04444 027100 03 FILLER PIC X(120) VALUE SPACES.

04445 027110 03 FILLER PIC X(120) VALUE SPACES.

04446 027120 03 FILLER PIC X(120) VALUE SPACES.

04447 027130 03 FILLER PIC X(120) VALUE SPACES.

04448 027140 03 FILLER PIC X(120) VALUE SPACES.

04449 027150 03 FILLER PIC X(120) VALUE SPACES.

04450 027160 03 FILLER PIC X(120) VALUE SPACES.

04451 027170 03 FILLER PIC X(120) VALUE SPACES.

04452 027180 03 FILLER PIC X(120) VALUE SPACES.

04453 027190 03 FILLER PIC X(120) VALUE SPACES.

04454 027200 03 FILLER PIC X(120) VALUE SPACES.

04455 027210 03 FILLER PIC X(120) VALUE SPACES.

04456 027220 03 FILLER PIC X(120) VALUE SPACES.

04457 027230 03 FILLER PIC X(120) VALUE SPACES.

04458 027240 03 FILLER PIC X(120) VALUE SPACES.

04459 027250 03 FILLER PIC X(120) VALUE SPACES.

04460 027260 03 FILLER PIC X(120) VALUE SPACES.

04461 027270 03 FILLER PIC X(120) VALUE SPACES.

04462 027280 03 FILLER PIC X(120) VALUE SPACES.

04463 027290 03 FILLER PIC X(120) VALUE SPACES.

04464 027300 03 FILLER PIC X(120) VALUE SPACES.

04465 027310 03 FILLER PIC X(120) VALUE SPACES.

04466 027320 03 FILLER PIC X(120) VALUE SPACES.

04467 027330 03 FILLER PIC X(120) VALUE SPACES.

04468 027340 03 FILLER PIC X(120) VALUE SPACES.

04469 027350 03 FILLER PIC X(120) VALUE SPACES.

04470 027360 03 FILLER PIC X(120) VALUE SPACES.

04471 027370 03 FILLER PIC X(120) VALUE SPACES.

04472 027380 03 FILLER PIC X(120) VALUE SPACES.

04473 027390 03 FILLER PIC X(120) VALUE SPACES.

04474 027400 03 FILLER PIC X(120) VALUE SPACES.

04475 027410 03 FILLER PIC X(120) VALUE SPACES.

04476 027420 03 FILLER PIC X(120) VALUE SPACES.

04477 027430 03 FILLER PIC X(120) VALUE SPACES.

04478 027440 03 FILLER PIC X(120) VALUE SPACES.

04479 027450 03 FILLER PIC X(120) VALUE SPACES.

04480 027460 03 FILLER PIC X(120) VALUE SPACES.

04481 027470 03 FILLER PIC X(120) VALUE SPACES.

04482 027480 03 FILLER PIC X(120) VALUE SPACES.

04483 027490 03 FILLER PIC X(120) VALUE SPACES.

INT NAME BASE DISP RLO1 DEFINITION

DNM=145-04 BL=45 856 2191 DS 120C

DNM=145-05 BL=45 8CE 2311 DS 120C

DNM=145-07 BL=45 946 2431 DS 6P

DNM=145-08 BL=45 94C 2437 DS 120C

DNM=145-09 BL=45 9C4 2557 DS 120C

DNM=145-11 BL=45 A3C 2677 DS 120C

DNM=145-12 BL=45 A84 2797 DS 120C

DNM=145-14 BL=45 B2C 2917 DS 6P

DNM=145-15 BL=45 B32 2923 DS 120C

DNM=145-16 BL=45 BAA 3043 DS 120C

DNM=145-18 BL=45 C22 3163 DS 120C

DNM=145-19 BL=45 C9A 3283 DS 120C

DNM=145-21 BL=45 D12 3403 DS 6P

DNM=145-22 BL=45 D16 3409 DS 120C

DNM=145-23 BL=45 D90 3529 DS 120C

DNM=145-25 BL=45 E08 3649 DS 120C

DNM=145-26 BL=45 E80 3769 DS 120C

DNM=145-28 BL=45 EF8 3889 DS 6P

DNM=145-29 BL=45 EFE 3895 DS 120C

DNM=145-30 BL=45 F76 4015 DS 120C

DNM=145-32 BL=45 FEE 4135 DS 120C

DNM=145-33 BL=46 066 3937 DS 120C

DNM=145-35 BL=46 00E 3817 DS 6P

DNM=145-36 BL=46 0E4 3811 DS 120C

DNM=145-37 BL=46 15C 3691 DS 120C

DNM=145-39 BL=46 104 3571 DS 120C

DNM=145-40 BL=46 24C 3451 DS 120C

DNM=145-42 BL=46 2C4 3331 DS 6P

DNM=145-43 BL=46 2CA 3325 DS 120C

DNM=145-44 BL=46 342 3205 DS 120C

INT NAME BASE DISP RLO1 DEFINITION

10.43.12 APR 3, 1984

91 NM100

LINE	INT NAME	BASE	DISP	RLO1	DEFINITION
1	04484	027500	03	FILLER PIC X(120)	VALUE SPACES.
2	04485	027510	03	FILLER PIC X(120)	VALUE SPACES.
3	04486	027520*			VALUE SPACES.
4	04487	027530	03	FILLER PIC 9(10)-COMP-3	VALUE 9999999999.
5	04488	027540	03	FILLER PIC X(120)	VALUE
6	04489	027550			
7	04490	027560			
8	04491	027570			
9	04492	027580	03	FILLER PIC X(120)	VALUE SPACES.
10	04493	027590	03	FILLER PIC X(120)	VALUE SPACES.
11	04494	027600	03	FILLER PIC X(120)	VALUE SPACES.
12	04495	027610*			
13	04496	027620	03	FILLER PIC 9(10)-COMP-3	VALUE 9999999999.
14	04497	027630	03	FILLER PIC X(120)	VALUE
15	04498	027640			
16	04499	027650			
17	04500	027660			
18	04501	027670	03	FILLER PIC X(120)	VALUE SPACES.
19	04502	027680	03	FILLER PIC X(120)	VALUE SPACES.
20	04503	027690	03	FILLER PIC X(120)	VALUE SPACES.
21	04504	027700*			
22	04505	027710	03	FILLER PIC 9(10)-COMP-3	VALUE 9999999999.
23	04506	027720	03	FILLER PIC X(120)	VALUE
24	04507	027730			
25	04508	027740			
26	04509	027750			
27	04510	027760	03	FILLER PIC X(120)	VALUE SPACES.
28	04511	027770	03	FILLER PIC X(120)	VALUE SPACES.
29	04512	027780	03	FILLER PIC X(120)	VALUE SPACES.
30	04513	027790*			
31	04514	027800	03	FILLER PIC 9(10)-COMP-3	VALUE 9999999999.
32	04515	027810	03	FILLER PIC X(120)	VALUE
33	04516	027820			
34	04517	027830			
35	04518	027840			
36	04519	027850	03	FILLER PIC X(120)	VALUE SPACES.
37	04520	027860	03	FILLER PIC X(120)	VALUE SPACES.
38	04521	027870	03	FILLER PIC X(120)	VALUE SPACES.
39	04522	027880*			
40	04523	027890	03	FILLER PIC 9(10)-COMP-3	VALUE 9999999999.
41	04524	027900	03	FILLER PIC X(120)	VALUE
42	04525	027910			
43	04526	027920			
44	04527	027930			
45	04528	027940	03	FILLER PIC X(120)	VALUE SPACES.
46	04529	027950	03	FILLER PIC X(120)	VALUE SPACES.
47	04530	027960	03	FILLER PIC X(120)	VALUE SPACES.
48	04531	027970*			
49	04532	027980*			
50	04533	027990*			
51	04534	028000*			
52	04535	028010*			
53	04536	028020*			
54	04537	028030*			
55	04538	028040*			
56	04539	028050*			
57	04540	028060*			
58	04541	028070*			
59	04542	028080*			
60	04543	028090*			
61	04544	028100*			
62	04545	028110*			
63	04546	028120*			
64	04547	028130*			
65	04548	028140*			
66	04549	028150*			
67	04550	028160*			
68	04551	028170*			
69	04552	028180*			
70	04553	028190*			
71	04554	028200*			
72	04555	028210*			
73	04556	028220*			
74	04557	028230*			
75	04558	028240*			
76	04559	028250*			
77	04560	028260*			
78	04561	028270*			
79	04562	028280*			
80	04563	028290*			
81	04564	028300*			
82	04565	028310*			
83	04566	028320*			
84	04567	028330*			
85	04568	028340*			
86	04569	028350*			
87	04570	028360*			
88	04571	028370*			
89	04572	028380*			
90	04573	028390*			
91	04574	028400*			

TABLE NOW CONTAINS 005 ENTRIES 03/25/83
+ 011 ALL-9 ENTRIES

92 NM100 10-43-12 APR 3,1984

INT NAME

BASE

DISP

RL01

DEFINITION

04538 028040-01 STATION-TABLE-3-R--REDEFINES STATION-TABLE-3. DNM=146-33 BL=44 FCB 0001 DS OCL7776
 04539 028050 03 LOC-WITH-43-138-STATIONS OCCURS 16 TIMES ASCENDING KEY LOCATION-3
 04540 028060 INDEXED BY LOC-3-IX. DNM=146-38 BL=44 FCB 0001 DS OCL486
 04541 028070
 04542 028080 05 LOCATION-3 05 LOCATION-3 DNM=146-42 BL=44 FCB 0001 DS 6P
 04543 028090 05 STATION-3 OCCURS 96 TIMES INDEXED BY STA-3-IX PIC 9(10) COMP-3. DNM=146-47 BL=44 FCE 0007 DS 5C
 04544 028100 PIC X(5).
 04545 028110 * PIC X(5). *

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57

HEX ADDRESS OF VERBS

10.43.12 APR 3.1984

NH100

93

Address	Code	Description	Hex Address
04547	**009920	PROCEDURE DIVISION.	09680000
04548	009930	000-CONTROL-SECTION.	09690000
04549	009940	MOVE SORTMSG TO SORT-MESSAGE.	027970
04550	009950	SORT SORT-FILE ASCENDING-KEY SORT-KEY	02797A
04551	009960	SORT-TYPE	09710000
04552	009970	SORT-ACTION	09720000
04553	009980	INPUT-PROCEDURE-005-PRE-SORT-PROCESSING	09730000
04554	009990	OUTPUT PROCEDURE 024-POST-SORT-PROCESSING.	09740000
04555	010000	GOBACK.	09750000
04556	010010*		09760000
04557	010020	001-CONTROL-SECTION-EXIT.	09770000
04558	010030	EXIT.	09780000
04559	010040*		09790000
04560	010050	005-PRE-SORT-PROCESSING SECTION.	09800000
04561	010060	OPEN INPUT ENVIR-PRELOAD-FILE.	09810000
04562	010070	OPEN OUTPUT-ERROR-RPT.	09820000
04563	010080	MOVE TURN-OFF TO DETAIL-LINE-WRITTEN-SW.	09830000
04564	010090	MOVE CURRENT-DATE TO R2-RUN-DATE.	09840000
04565	010100	PERFORM 212-WRITE-RPT2-ERR-HEADING.	09850000
04566	010110	SET EPL-IX TO 1.	09860000
04567	010120	PERFORM 008-READ-N-LOAD-ENVIR-PRELOAD	09870000
04568	010130	UNTIL-END-OF-ENVIR-PRELOAD.	02780A
04569	010140	PERFORM 009-INIT-REST-ENVIR-PRELOAD	027810
04570	010150	VARYING EPL-IX FROM EPL-IX BY 1	027842
04571	010160	UNTIL EPL-IX GREATER THAN NBR-OCCURS-ENVIR-PRELOAD.	
04572	010170	CLOSE ENVIR-PRELOAD-FILE.	027890
04573	010180	OPEN INPUT TRANS-FILE.	027C14
04574	010190	PERFORM 012-READ-TRANS-UNTIL-END-OF-TRANS.	027C4E
04575	010200*		09960000
04576	010210	006-READ SECTION.	09970000
04577	010220*		09980000
04578	010230	008-READ-N-LOAD-ENVIR-PRELOAD.	09990000
04579	010240	READ ENVIR-PRELOAD-FILE INTO HK-ENVIR-PRELOAD-REC	10000000
04580	010250	AT END MOVE HIGH-VALUES TO WK-ENVIR-PRELOAD-KEY.	10010000
04581	010260	IF END-OF-ENVIR-PRELOAD	10020000
04582	010270	NEXT SENTENCE	10030000
04583	010280	ELSE	10040000
04584	010290	IF WK-ENVIR-PRELOAD-KEY GREATER THAN SEARCH-PRELOAD-KEY	10050000
04585	010300	MOVE WK-ENVIR-PRELOAD-KEY TO SEARCH-PRELOAD-KEY	10060000
04586	010310	MOVE WK-ENVIR-PRELOAD-REC TO	10070000
04587	010320	TAB-ENVIR-PRELOAD-ENTRY (EPL-IX)	10080000
04588	010330	SET EPL-IX UP BY 1	10090000
04589	010340	ELSE	10100000
04590	010350	DISPLAY *SEQUENCE ERROR OR DUPLICATE ENTRY *	10110000
04591	010360	IN PRELOAD FILE.	10120000
04592	010370	*PREVIOUS ENTRY WAS *	10130000
04593	010380	*SEARCH-PRELOAD-KEY	10140000
04594	010390	*CURRENT ENTRY IS * WK-ENVIR-PRELOAD-KEY	10150000
04595	010400*	ADD 1 TO CAUSE-AREND.	10160000
04596	010410	009-INIT-REST-ENVIR-PRELOAD.	10170000
04597	010420	MOVE HIGH-VALUES TO TAB-ENVIR-PRELOAD-KEY (EPL-IX).	10180000
04598	010430*		10190000
04599	010440	012-READ-TRANS.	10200000
04600	010450	READ TRANS-FILE INTO NH100REC	10210000

HEX ADDRESS OF VERBS

10.43.12 APR 3, 1984

94 NM100

Line	Address	Code	Text	Hex Address
1	04601	010460	AT END	10220000
2	04602	010470	MOVE HIGH-VALUES TO NM100REC.	0270B2
3	04603	010480	IF ENVIR-RECORD	0270BC
4	04604	010490	PERFORM 017-ENVIR-PRE-EDIT	0270C8
5	04605	010500	ELSE	10260000
6	04606	010510	IF REPLIC-RECORD	0270E8
7	04607	010520	PERFORM 019-REPLIC-PRE-EDIT	0270F0
8	04608	010530	ELSE	10290000
9	04609	010540	IF SPECIES-RECORD	027E10
10	04610	010550	PERFORM 020-SPECIES-PRE-EDIT	027E18
11	04611	010560	ELSE	10300000
12	04612	010570	IF INDIV-RECORD	027E38
13	04613	010580	PERFORM 021-INDIV-PRE-EDIT	027E40
14	04614	010590	ELSE	10330000
15	04615	010600	IF ANNULUS-RECORD	027E60
16	04616	010610	PERFORM 022-ANNULUS-PRE-EDIT	027E68
17	04617	010620	ELSE	10370000
18	04618	010630	IF TAG-RECAPTURE-RECORD	027E8C
19	04619	010640	PERFORM 023-RECAPTURE-PRE-EDIT.	027E94
20	04620	010650	ELSE	027E94
21	04621	010660	IF NOT END-OF-TRANS	027E80
22	04622	010670	IF SEQUENCE-NUMBER OF NM100REC NOT EQUAL SPACES	027EBC
23	04623	010680	PERFORM 013-PRE-EDIT-KEY	027ECE
24	04624	010690	IF DUP-INDIV-RECORD6	027EE6
25	04625	010700	MOVE TR-DATA TO DUP-RECORD-DESC	027EF2
26	04626	010710	MOVE LINE-NUMBER OF NM100REC TO	027EF8
27	04627	010720	LINE-NUMBER-CNTR	10470000
28	04628	010730	MOVE *4* TO RECORD-TYPE OF NM100REC	027F02
29	04629	010740	MOVE SPACES TO INDIV-DETAILS OF NM100REC	027F06
30	04630	010750	PERFORM 014-RELEASE-DUP-INDIV-REC6	027F10
31	04631	010760	VARYING WK-SUB FROM 1 BY 1	10500000
32	04632	010770	UNTIL WK-SUB GREATER THAN 14	10510000
33	04633	010780	OR DUP-INDIV-CNT6 (WK-SUB) = SPACES	10520000
34	04634	010790	ELSE	10530000
35	04635	010800	IF DUP-INDIV-RECORD7	10540000
36	04636	010810	MOVE TR-DATA TO DUP-RECORD-DESC	10550000
37	04637	010820	MOVE LINE-NUMBER OF NM100REC TO	10560000
38	04638	010830	LINE-NUMBER-CNTR	10570000
39	04639	010840	MOVE *4* TO RECORD-TYPE OF NM100REC	10580000
40	04640	010850	MOVE SPACES TO INDIV-DETAILS OF NM100REC	10590000
41	04641	010860	PERFORM 015-RELEASE-DUP-INDIV-REC7	10600000
42	04642	010870	VARYING WK-SUB FROM 1 BY 1	10610000
43	04643	010880	UNTIL WK-SUB GREATER THAN 11	10620000
44	04644	010890	OR DUP-INDIV-CNT7 (WK-SUB) = SPACES	10630000
45	04645	010900	ELSE	10640000
46	04646	010910	MOVE NM100REC TO SORT-REC	10650000
47	04647	010920	RELEASE-SORT-REC.	02801E
48	04648	010930	* 013-PRE-EDIT-KEY.	028020
49	04649	010940	EXAMINE-SEQUENCE-NUMBER OF NM100REC	10660000
50	04650	010950	REPLACING ALL SPACES BY ZEROS.	10670000
51	04651	010960	IF NOT ENVIR-RECORD	10680000
52	04652	010970	EXAMINE-REPLICATE-NUMBER OF NM100REC	10690000
53	04653	010980	REPLACING ALL SPACES BY ZEROS.	10700000
54	04654	010990	*	10710000
55				10720000
56				10730000
57				10740000
58				10750000
59				10760000
60				10770000
61				10780000
62				10790000
63				10800000
64				10810000
65				10820000
66				10830000
67				10840000
68				10850000
69				10860000
70				10870000
71				10880000
72				10890000
73				10900000
74				10910000
75				10920000

HEX ADDRESS OF VERBS

APR 3, 1984

10.43.12

NM100

95

Line	Address	Description	Hex Address
1	04655	01100* 014-RELEASE-DUP-INDIV-REC6.	10760000
2	04656	MOVE LINE-NUMBER-CNTR TO LINE-NUMBER OF NM100REC.	10770000
3	04657	MOVE DUP-INDIV-CNT6 (WK-SUB) TO INDIV-CNT OF NM100REC.	10780000
4	04658	MOVE DUP-INDIV-LTH6 (WK-SUB) TO INDIV-LTH OF NM100REC.	10790000
5	04659	PERFORM 021-INDIV-PRE-EDIT.	10800000
6	04660	* * * * *	10810000
7	04661	* * * * *	10820000
8	04662	* * * * *	10830000
9	04663	* * * * *	10840000
10	04664	* * * * *	10850000
11	04665	01100* THE DUP REC ASSIGNS THE FIRST LINE-NUMBER	10860000
12	04666	01100* ALL SUBSEQUENT LINE NUMBERS ARE INCREMENTED BY 1	10870000
13	04667	* * * * *	10880000
14	04668	* * * * *	10890000
15	04669	* * * * *	10900000
16	04670	* * * * *	10910000
17	04671	* * * * *	10920000
18	04672	* * * * *	10930000
19	04673	* * * * *	10940000
20	04674	* * * * *	10950000
21	04675	* * * * *	10960000
22	04676	* * * * *	10970000
23	04677	* * * * *	10980000
24	04678	* * * * *	10990000
25	04679	* * * * *	11000000
26	04680	* * * * *	11010000
27	04681	* * * * *	11020000
28	04682	* * * * *	11030000
29	04683	* * * * *	11040000
30	04684	* * * * *	11050000
31	04685	* * * * *	11060000
32	04686	* * * * *	11070000
33	04687	* * * * *	11080000
34	04688	* * * * *	11090000
35	04689	* * * * *	11100000
36	04690	* * * * *	11110000
37	04691	* * * * *	11120000
38	04692	* * * * *	11130000
39	04693	* * * * *	11140000
40	04694	* * * * *	11150000
41	04695	* * * * *	11160000
42	04696	* * * * *	11170000
43	04697	* * * * *	11180000
44	04698	* * * * *	11190000
45	04700	* * * * *	11200000
46	04701	* * * * *	11210000
47	04702	* * * * *	11220000
48	04703	* * * * *	11230000
49	04704	* * * * *	11240000
50	04705	* * * * *	11250000
51	04706	* * * * *	11260000
52	04707	* * * * *	11270000
53	04708	* * * * *	11280000
54	04709	* * * * *	11290000
55	04710	* * * * *	11300000
56	04711	* * * * *	11310000
57	04712	* * * * *	11320000
58	04713	* * * * *	11330000
59	04714	* * * * *	11340000
60	04715	* * * * *	11350000
61	04716	* * * * *	11360000
62	04717	* * * * *	11370000
63	04718	* * * * *	11380000
64	04719	* * * * *	11390000
65	04720	* * * * *	11400000
66	04721	* * * * *	11410000
67	04722	* * * * *	11420000
68	04723	* * * * *	11430000
69	04724	* * * * *	11440000
70	04725	* * * * *	11450000
71	04726	* * * * *	11460000
72	04727	* * * * *	11470000
73	04728	* * * * *	11480000
74	04729	* * * * *	11490000
75	04730	* * * * *	11500000
76	04731	* * * * *	11510000
77	04732	* * * * *	11520000
78	04733	* * * * *	11530000
79	04734	* * * * *	11540000
80	04735	* * * * *	11550000
81	04736	* * * * *	11560000
82	04737	* * * * *	11570000
83	04738	* * * * *	11580000
84	04739	* * * * *	11590000
85	04740	* * * * *	11600000
86	04741	* * * * *	11610000
87	04742	* * * * *	11620000
88	04743	* * * * *	11630000
89	04744	* * * * *	11640000
90	04745	* * * * *	11650000
91	04746	* * * * *	11660000
92	04747	* * * * *	11670000
93	04748	* * * * *	11680000
94	04749	* * * * *	11690000
95	04750	* * * * *	11700000
96	04751	* * * * *	11710000
97	04752	* * * * *	11720000
98	04753	* * * * *	11730000
99	04754	* * * * *	11740000
100	04755	* * * * *	11750000
101	04756	* * * * *	11760000
102	04757	* * * * *	11770000
103	04758	* * * * *	11780000
104	04759	* * * * *	11790000
105	04760	* * * * *	11800000
106	04761	* * * * *	11810000
107	04762	* * * * *	11820000
108	04763	* * * * *	11830000
109	04764	* * * * *	11840000
110	04765	* * * * *	11850000
111	04766	* * * * *	11860000
112	04767	* * * * *	11870000
113	04768	* * * * *	11880000
114	04769	* * * * *	11890000
115	04770	* * * * *	11900000
116	04771	* * * * *	11910000
117	04772	* * * * *	11920000
118	04773	* * * * *	11930000
119	04774	* * * * *	11940000
120	04775	* * * * *	11950000
121	04776	* * * * *	11960000
122	04777	* * * * *	11970000
123	04778	* * * * *	11980000
124	04779	* * * * *	11990000
125	04780	* * * * *	12000000
126	04781	* * * * *	12010000
127	04782	* * * * *	12020000
128	04783	* * * * *	12030000
129	04784	* * * * *	12040000
130	04785	* * * * *	12050000
131	04786	* * * * *	12060000
132	04787	* * * * *	12070000
133	04788	* * * * *	12080000
134	04789	* * * * *	12090000
135	04790	* * * * *	12100000
136	04791	* * * * *	12110000
137	04792	* * * * *	12120000
138	04793	* * * * *	12130000
139	04794	* * * * *	12140000
140	04795	* * * * *	12150000
141	04796	* * * * *	12160000
142	04797	* * * * *	12170000
143	04798	* * * * *	12180000
144	04799	* * * * *	12190000
145	04800	* * * * *	12200000
146	04801	* * * * *	12210000
147	04802	* * * * *	12220000
148	04803	* * * * *	12230000
149	04804	* * * * *	12240000
150	04805	* * * * *	12250000
151	04806	* * * * *	12260000
152	04807	* * * * *	12270000
153	04808	* * * * *	12280000
154	04809	* * * * *	12290000
155	04810	* * * * *	12300000
156	04811	* * * * *	12310000
157	04812	* * * * *	12320000
158	04813	* * * * *	12330000
159	04814	* * * * *	12340000
160	04815	* * * * *	12350000
161	04816	* * * * *	12360000
162	04817	* * * * *	12370000
163	04818	* * * * *	12380000
164	04819	* * * * *	12390000
165	04820	* * * * *	12400000
166	04821	* * * * *	12410000
167	04822	* * * * *	12420000
168	04823	* * * * *	12430000
169	04824	* * * * *	12440000
170	04825	* * * * *	12450000
171	04826	* * * * *	12460000
172	04827	* * * * *	12470000
173	04828	* * * * *	12480000
174	04829	* * * * *	12490000
175	04830	* * * * *	12500000
176	04831	* * * * *	12510000
177	04832	* * * * *	12520000
178	04833	* * * * *	12530000
179	04834	* * * * *	12540000
180	04835	* * * * *	12550000
181	04836	* * * * *	12560000
182	04837	* * * * *	12570000
183	04838	* * * * *	12580000
184	04839	* * * * *	12590000
185	04840	* * * * *	12600000
186	04841	* * * * *	12610000
187	04842	* * * * *	12620000
188	04843	* * * * *	12630000
189	04844	* * * * *	12640000
190	04845	* * * * *	12650000
191	04846	* * * * *	12660000
192	04847	* * * * *	12670000
193	04848	* * * * *	12680000
194	04849	* * * * *	12690000
195	04850	* * * * *	12700000
196	04851	* * * * *	12710000
197	04852	* * * * *	12720000
198	04853	* * * * *	12730000
199	04854	* * * * *	12740000
200	04855	* * * * *	12750000
201	04856	* * * * *	12760000
202	04857	* * * * *	12770000
203	04858	* * * * *	12780000
204	04859	* * * * *	12790000
205	04860	* * * * *	12800000
206	04861	* * * * *	12810000
207	04862	* * * * *	12820000
208	04863	* * * * *	12830000
209	04864	* * * * *	12840000
210	04865	* * * * *	12850000
211	04866	* * * * *	12860000
212	04867	* * * * *	12870000
213	04868	* * * * *	12880000
214	04869	* * * * *	12890000
215	04870	* * * * *	12900000
216	04871	* * * * *	12910000
217	04872	* * * * *	12920000
218	04873	* * * * *	12930000
219	04874	* * * * *	12940000
220	04875	* * * * *	12950000
221	04876	* * * * *	12960000
222	04877	* * * * *	12970000
223	04878	* * * * *	12980000
224	04879	* * * * *	12990000
225	04880	* * * * *	13000000
226	04881	* * * * *	13010000
227	04882	* * * * *	13020000
228	04883	* * * * *	13030000
229	04884	* * * * *	13040000
230	04885	* * * * *	13050000
231	04886	* * * * *	13060000
232	04887	* * * * *	13070000
233	04888	* * * * *	13080000
234	04889	* * * * *	13090000
235	04890	* * * * *	13100000
236	04891	* * * * *	13110000
237	04892	* * * * *	13120000
238	04893	* * * * *	13130000
239	04894	* * * * *	13140000
240	04895	* * * * *	13150000
241	04896	* * * * *	13160000
242	04897	* * * * *	13170000
243	04898	* * * * *	13180000
244	04899	* * * * *	13190000
245	04900	* * * * *	13200000
246	04901	* * * * *	13210000
247	04902	* * * * *	13220000
248	04903	* * * * *	13230000
249	04904	* * * * *	13240000
250	04905	* * * * *	13250000
251	04906	* * * * *	13260000
252	04907	* * * * *	13270000
253	04908	* * * * *	13280000
254	04909	* * * * *	13290000
255	04910	* * * * *	13300000
256	04911	* * * * *	13310000
257	04912	* * * * *	13320000
258	04913	* * * * *	13330000
259	04914	* * * * *	13340000
260	04915	* * * * *	13350000
261	04916	* * * * *	13360000
262	04917	* * * * *	13370000
263	04918	* * * * *	13380000
264	04919	* * * * *	13390000
265	04920	* * * * *	13400000
266	04921	* * * * *	13410000
267	04922	* * * * *	13420000
268	04923	* * * * *	13430000
269	04924	* * * * *	13440000
270	04925	* * * * *	13450000
271	04926	* * * * *	13460000
272	04927	* * * * *	13470000
273	04928	* * * * *	13480000
274	04929	* * * * *	13490000
275	04930		

HEX ADDRESS OF VERBS

10.43.12 APR 3, 1984

NM100

96

Address	Description	Hex Address
04709 011540	MOVE WK-E-GEAR-TYPE TO ENVIR-GEAR-TYPE OF NM100REC.	11300000
04710 011550	IF ENVIR-GEAR-PARM1 OF NM100REC = SPACES	11310000
04711 011560	MOVE WK-E-GEAR-PARM1 TO ENVIR-GEAR-PARM1 OF NM100REC.	11320000
04712 011570	IF ENVIR-GEAR-PARM2 OF NM100REC = SPACES	11330000
04713 011580	MOVE WK-E-GEAR-PARM2 TO ENVIR-GEAR-PARM2 OF NM100REC.	11340000
04714 011590	IF ENVIR-GEAR-PARM3 OF NM100REC = SPACES	11350000
04715 011600	MOVE WK-E-GEAR-PARM3 TO ENVIR-GEAR-PARM3 OF NM100REC.	11360000
04716 011610	IF ENVIR-RIG OF NM100REC = SPACES	11370000
04717 011620	MOVE WK-E-RIG TO ENVIR-RIG OF NM100REC.	11380000
04718 011630	IF ENVIR-TYPE-OF-TOW OF NM100REC = SPACES	11390000
04719 011640	MOVE WK-E-TYPE-OF-TOW TO ENVIR-TYPE-OF-TOW OF NM100REC.	11400000
04720 011650	IF ENVIR-BOTTOM-TYPE OF NM100REC = SPACES	11410000
04721 011660	MOVE WK-E-BOTTOM-TYPE TO ENVIR-BOTTOM-TYPE OF NM100REC.	11420000
04722 011670	IF ENVIR-BOTTOM-PROFILE OF NM100REC = SPACES	11430000
04723 011680	MOVE WK-E-BOTTOM-PROFILE TO ENVIR-BOTTOM-PROFILE OF NM100REC.	11440000
04724 011690	IF ENVIR-DEPTH OF NM100REC = SPACES	11450000
04725 011700	MOVE WK-E-DEPTH TO ENVIR-DEPTH OF NM100REC.	11460000
04726 011710	IF ENVIR-STATE-ALTER OF NM100REC = SPACES	11470000
04727 011720	MOVE WK-E-STATE-ALTER TO ENVIR-STATE-ALTER OF NM100REC.	11480000
04728 011730*	REPLIC-PRC-EDIT.	11490000
04729 011740	019-REPLIC-PRC-EDIT.	11500000
04730 011750*	EXPLICIT DECIMALS PERMITTED IN THESE TWO FIELDS-SO EDIT	11510000
04731 011760*	CHANGED TO PERMIT THEM TO PASS HERE - LRL 1/26/83	11520000
04732 011770	EXAMINE RP-COLLECT-SIZE OF NM100REC REPLACING ALL SPACES	11530000
04733 011780	BY ZEROS.	11540000
04734 011790	MOVE RP-COLLECT-SIZE OF NM100REC TO TEST-FIELD.	11550000
04735 011800	EXAMINE TEST-FIELD REPLACING ALL ' ' BY '0'.	11560000
04736 011810	IF-TEST-FIELD NOT NUMERIC	11570000
04737 011820	MOVE ZEROS TO RP-COLLECT-SIZE OF NM100REC.	11580000
04738 011830	EXAMINE RP-SAMPLE-SIZE OF NM100REC REPLACING ALL SPACES	11590000
04739 011840	BY ZEROS.	11600000
04740 011850	MOVE RP-SAMPLE-SIZE OF NM100REC TO TEST-FIELD.	11610000
04741 011860	EXAMINE TEST-FIELD REPLACING ALL ' ' BY '0'.	11620000
04742 011870	IF-TEST-FIELD-NOT-NUMERIC	11630000
04743 011880	MOVE ZEROS TO RP-SAMPLE-SIZE OF NM100REC.	11640000
04744 011890*	020-SPECTES-PRE-EDIT.	11650000
04745 011900	IF SPE-TOTAL-CNT OF NM100REC NOT NUMERIC	11660000
04746 011910	AND SPE-TOTAL-CNT OF NM100REC NOT EQUAL SPACES	11670000
04747 011920	EXAMINE SPE-TOTAL-CNT OF NM100REC	11680000
04748 011930	REPLACING LEADING SPACES BY ZEROS.	11690000
04749 011940	IF SPE-TOTAL-MGT OF NM100REC NOT NUMERIC	11700000
04750 011950	AND SPE-TOTAL-MGT OF NM100REC NOT EQUAL SPACES	11710000
04751 011960	EXAMINE SPE-TOTAL-MGT OF NM100REC	11720000
04752 011970	REPLACING LEADING SPACES BY ZEROS.	11730000
04753 011980	IF SPE-SAMPLE-CNT OF NM100REC NOT NUMERIC	11740000
04754 011990	AND SPE-SAMPLE-CNT OF NM100REC NOT EQUAL SPACES	11750000
04755 012000	EXAMINE SPE-SAMPLE-CNT OF NM100REC	11760000
04756 012010	REPLACING LEADING SPACES BY ZEROS.	11770000
04757 012020	IF SPE-SAMPLE-WGT OF NM100REC NOT NUMERIC	11780000
04758 012030	AND SPE-SAMPLE-WGT OF NM100REC NOT EQUAL SPACES	11790000
04759 012040	EXAMINE SPE-SAMPLE-WGT OF NM100REC	11800000
04760 012050	REPLACING LEADING SPACES BY ZEROS.	11810000
04761 012060	IF SPE-SUBSAMPLE-CNT OF NM100REC NOT NUMERIC	11820000
04762 012070		11830000

HEX ADDRESS OF VERBS

10.43.12 APR 3, 1984

97 NM100

Address	Description	Hex Address
04763	AND-SPE-SUBSAMPLE-CNT-OF-NM100REC-NOT-EQUAL-SPACES	11840000
04764	EXAMINE SPE-SUBSAMPLE-CNT OF NM100REC	11850000
04765	REPLACING LEADING SPACES BY ZEROS.	028616
04766	IF-SPE-SUBSAMPLE-WGT-OF-NM100REC-NOT-NUMERIC	11870000
04767	AND-SPE-SUBSAMPLE-WGT-OF-NM100REC-NOT-EQUAL-SPACES	028638
04768	EXAMINE SPE-SUBSAMPLE-WGT OF NM100REC	11880000
04769	REPLACING LEADING SPACES BY ZEROS.	028658
04770	FOLLOWING TWO PREDICTS ADDED 4/83 LRL	11910000
04771	IF-SPE-NBR-TAGGED1 OF NM100REC NOT NUMERIC	02867A
04772	AND-SPE-NBR-TAGGED1 OF NM100REC NOT EQUAL SPACES	11920000
04773	EXAMINE SPE-NBR-TAGGED1 OF NM100REC	11930000
04774	REPLACING LEADING SPACES BY ZEROS.	02869A
04775	IF-SPE-NBR-TAGGED2 OF NM100REC NOT NUMERIC	11940000
04776	AND-SPE-NBR-TAGGED2 OF NM100REC NOT EQUAL SPACES	02868C
04777	EXAMINE SPE-NBR-TAGGED2 OF NM100REC	11950000
04778	REPLACING LEADING SPACES BY ZEROS.	0286DC
04779	021-INDIV-PRE-EDIT.	11990000
04780	IF-INDIV-CNT OF NM100REC NOT NUMERIC	12000000
04781	AND-INDIV-CNT OF NM100REC NOT EQUAL SPACES	12010000
04782	EXAMINE INDIV-CNT OF NM100REC	12020000
04783	REPLACING ALL SPACES BY ZEROS.	028704
04784	IF-INDIV-LTH OF NM100REC NOT NUMERIC	12030000
04785	AND-INDIV-LTH OF NM100REC NOT EQUAL SPACES	12040000
04786	EXAMINE INDIV-LTH OF NM100REC	12050000
04787	REPLACING LEADING SPACES BY ZEROS.	028724
04788	IF-INDIV-AGE OF NM100REC NOT NUMERIC	12060000
04789	AND-INDIV-AGE OF NM100REC NOT EQUAL SPACES	12070000
04790	EXAMINE INDIV-AGE OF NM100REC	12080000
04791	REPLACING LEADING SPACES BY ZEROS.	028746
04792	IF-INDIV-SPAN-MARK-CNT OF NM100REC NOT NUMERIC	12090000
04793	AND-INDIV-SPAN-MARK-CNT OF NM100REC NOT EQUAL SPACES	12100000
04794	EXAMINE INDIV-SPAN-MARK-CNT OF NM100REC	12110000
04795	REPLACING LEADING SPACES BY ZEROS.	028772
04796	IF-INDIV-SPAWN-MARK-CNT OF NM100REC NOT NUMERIC	12120000
04797	AND-INDIV-SPAWN-MARK-CNT OF NM100REC NOT EQUAL SPACES	12130000
04798	EXAMINE INDIV-SPAWN-MARK-CNT OF NM100REC	12140000
04799	REPLACING LEADING SPACES BY ZEROS.	02870A
04800	IF-INDIV-ANL-AGE OF NM100REC NOT NUMERIC	12150000
04801	AND-INDIV-ANL-AGE OF NM100REC NOT EQUAL SPACES	12160000
04802	EXAMINE ANL-AGE OF NM100REC	12170000
04803	ADDED 3/83 BY LRL	12180000
04804	IF-ANL-LTH-TO-EDGE OF NM100REC NOT NUMERIC	12190000
04805	AND-ANL-LTH-TO-EDGE OF NM100REC NOT EQUAL SPACES	028822
04806	EXAMINE ANL-LTH-TO-EDGE OF NM100REC	12200000
04807	REPLACING LEADING SPACES BY ZEROS.	028842
04808	ADDED 4/83-LRL	12210000
04809	IF-ANL-LTH-TO-EDGE OF NM100REC NOT NUMERIC	12220000
04810	AND-ANL-LTH-TO-EDGE OF NM100REC NOT EQUAL SPACES	12230000
04811	EXAMINE ANL-LTH-TO-EDGE OF NM100REC	12240000
04812	ADDED 4/83-LRL	028864
04813	IF-ANL-LTH-TO-EDGE OF NM100REC NOT NUMERIC	12250000
04814	AND-ANL-LTH-TO-EDGE OF NM100REC NOT EQUAL SPACES	028876
04815	EXAMINE ANL-LTH-TO-EDGE OF NM100REC	12260000
04816	ADDED 4/83-LRL	028880
04817	IF-ANL-LTH-TO-EDGE OF NM100REC NOT NUMERIC	12270000
04818	AND-ANL-LTH-TO-EDGE OF NM100REC NOT EQUAL SPACES	028892
04819	EXAMINE ANL-LTH-TO-EDGE OF NM100REC	12280000
04820	ADDED 4/83-LRL	12290000
04821	IF-ANL-MARGIN-INC-R OF NM100REC NOT NUMERIC	02889C
04822	AND-ANL-MARGIN-INC-R OF NM100REC NOT EQUAL SPACES	12300000
04823	EXAMINE ANL-MARGIN-INC-R OF NM100REC	12310000
04824	ADDED 4/83-LRL	02888C
04825	IF-ANL-MARGIN-INC-R OF NM100REC NOT NUMERIC	12320000
04826	AND-ANL-MARGIN-INC-R OF NM100REC NOT EQUAL SPACES	12330000
04827	EXAMINE ANL-MARGIN-INC-R OF NM100REC	12340000
04828	ADDED 4/83-LRL	02888E
04829	IF-ANL-DISTANCE1 OF NM100REC NOT NUMERIC	12350000
04830	AND-ANL-DISTANCE1 OF NM100REC NOT EQUAL SPACES	12360000
04831	EXAMINE ANL-DISTANCE1 OF NM100REC	12370000
04832	ADDED 4/83-LRL	0288FE
04833	IF-ANL-DISTANCE1 OF NM100REC NOT NUMERIC	12380000
04834	AND-ANL-DISTANCE1 OF NM100REC NOT EQUAL SPACES	12390000
04835	EXAMINE ANL-DISTANCE1 OF NM100REC	12400000

HEX ADDRESS OF VERBS

10-43-12 APR 3, 1984

NM100

98

Address	Operation	Hex Address
04817	IF ANL-DISTANCE2 OF NMI00REC NOT NUMERIC	12360000
04818	AND ANL-DISTANCE2 OF NMI00REC NOT EQUAL SPACES	12390000
04819	EXAMINE ANL-DISTANCE2 OF NMI00REC	12400000
04820	REPLACING LEADING SPACES BY ZEROS.	12410000
04821	IF ANL-DISTANCE3 OF NMI00REC NOT NUMERIC	12420000
04822	AND ANL-DISTANCE3 OF NMI00REC NOT EQUAL SPACES	12430000
04823	EXAMINE ANL-DISTANCE3 OF NMI00REC	12440000
04824	REPLACING LEADING SPACES BY ZEROS.	12450000
04825	IF ANL-DISTANCE4 OF NMI00REC NOT NUMERIC	12460000
04826	AND ANL-DISTANCE4 OF NMI00REC NOT EQUAL SPACES	12470000
04827	EXAMINE ANL-DISTANCE4 OF NMI00REC	12480000
04828	REPLACING LEADING SPACES BY ZEROS.	12490000
04829	IF ANL-DISTANCE5 OF NMI00REC NOT NUMERIC	12500000
04830	AND ANL-DISTANCE5 OF NMI00REC NOT EQUAL SPACES	12510000
04831	EXAMINE ANL-DISTANCE5 OF NMI00REC	12520000
04832	REPLACING LEADING SPACES BY ZEROS.	12530000
04833	IF ANL-DISTANCE6 OF NMI00REC NOT NUMERIC	12540000
04834	AND ANL-DISTANCE6 OF NMI00REC NOT EQUAL SPACES	12550000
04835	EXAMINE ANL-DISTANCE6 OF NMI00REC	12560000
04836	REPLACING LEADING SPACES BY ZEROS.	12570000
04837	IF ANL-DISTANCE7 OF NMI00REC NOT NUMERIC	12580000
04838	AND ANL-DISTANCE7 OF NMI00REC NOT EQUAL SPACES	12590000
04839	EXAMINE ANL-DISTANCE7 OF NMI00REC	12600000
04840	REPLACING LEADING SPACES BY ZEROS.	12610000
04841	IF ANL-DISTANCE8 OF NMI00REC NOT NUMERIC	12620000
04842	AND ANL-DISTANCE8 OF NMI00REC NOT EQUAL SPACES	12630000
04843	EXAMINE ANL-DISTANCE8 OF NMI00REC	12640000
04844	REPLACING LEADING SPACES BY ZEROS.	12650000
04845	IF ANL-DISTANCE9 OF NMI00REC NOT NUMERIC	12660000
04846	AND ANL-DISTANCE9 OF NMI00REC NOT EQUAL SPACES	12670000
04847	EXAMINE ANL-DISTANCE9 OF NMI00REC	12680000
04848	REPLACING LEADING SPACES BY ZEROS.	12690000
04849	IF ANL-DISTANCE10 OF NMI00REC NOT NUMERIC	12700000
04850	AND ANL-DISTANCE10 OF NMI00REC NOT EQUAL SPACES	12710000
04851	EXAMINE ANL-DISTANCE10 OF NMI00REC	12720000
04852	REPLACING LEADING SPACES BY ZEROS.	12730000
04853	IF ANL-DISTANCE11 OF NMI00REC NOT NUMERIC	12740000
04854	AND ANL-DISTANCE11 OF NMI00REC NOT EQUAL SPACES	12750000
04855	EXAMINE ANL-DISTANCE11 OF NMI00REC	12760000
04856	REPLACING LEADING SPACES BY ZEROS.	12770000
04857	IF ANL-DISTANCE12 OF NMI00REC NOT NUMERIC	12780000
04858	AND ANL-DISTANCE12 OF NMI00REC NOT EQUAL SPACES	12790000
04859	EXAMINE ANL-DISTANCE12 OF NMI00REC	12800000
04860	REPLACING LEADING SPACES BY ZEROS.	12810000
04861	IF ANL-DISTANCE13 OF NMI00REC NOT NUMERIC	12820000
04862	AND ANL-DISTANCE13 OF NMI00REC NOT EQUAL SPACES	12830000
04863	EXAMINE ANL-DISTANCE13 OF NMI00REC	12840000
04864	REPLACING LEADING SPACES BY ZEROS.	12850000
04865	IF ANL-DISTANCE14 OF NMI00REC NOT NUMERIC	12860000
04866	AND ANL-DISTANCE14 OF NMI00REC NOT EQUAL SPACES	12870000
04867	EXAMINE ANL-DISTANCE14 OF NMI00REC	12880000
04868	REPLACING LEADING SPACES BY ZEROS.	12890000
04869	IF ANL-DISTANCE15 OF NMI00REC NOT NUMERIC	12900000
04870	AND ANL-DISTANCE15 OF NMI00REC NOT EQUAL SPACES	12910000

HEX ADDRESS OF VERBS

10-43.12 APR 3, 1984

99 NM100

04871	013160	AND ANL-DISTANCE15 OF NM100REC NOT EQUAL SPACES	12920000
04872	013170	EXAMINE ANL-DISTANCE15 OF NM100REC	12930000
04873	013180	REPLACING LEADING SPACES BY ZEROS.	12940000
04874	013190	IF ANL-DISTANCE16 OF NM100REC NOT NUMERIC	12950000
04875	013200	AND ANL-DISTANCE16 OF NM100REC NOT EQUAL SPACES	12960000
04876	013210	EXAMINE ANL-DISTANCE16 OF NM100REC	12970000
04877	013220	REPLACING LEADING SPACES BY ZEROS.	12980000
04878	013230	IF ANL-DISTANCE17 OF NM100REC NOT NUMERIC	12990000
04879	013240	AND ANL-DISTANCE17 OF NM100REC NOT EQUAL SPACES	13000000
04880	013250	EXAMINE ANL-DISTANCE17 OF NM100REC	13010000
04881	013260	REPLACING LEADING SPACES BY ZEROS.	13020000
04882	013270	IF ANL-DISTANCE18 OF NM100REC NOT NUMERIC	13030000
04883	013280	AND ANL-DISTANCE18 OF NM100REC NOT EQUAL SPACES	13040000
04884	013290	EXAMINE ANL-DISTANCE18 OF NM100REC	13050000
04885	013300	REPLACING LEADING SPACES BY ZEROS.	13060000
04886	013310	IF ANL-DISTANCE19 OF NM100REC NOT NUMERIC	13070000
04887	013320	AND ANL-DISTANCE19 OF NM100REC NOT EQUAL SPACES	13080000
04888	013330	EXAMINE ANL-DISTANCE19 OF NM100REC	13090000
04889	013340	REPLACING LEADING SPACES BY ZEROS.	13100000
04890	013350	IF ANL-DISTANCE20 OF NM100REC NOT NUMERIC	13110000
04891	013360	AND ANL-DISTANCE20 OF NM100REC NOT EQUAL SPACES	13120000
04892	013370	EXAMINE ANL-DISTANCE20 OF NM100REC	13130000
04893	013380	REPLACING LEADING SPACES BY ZEROS.	13140000
04894	013390	IF ANL-DISTANCE21 OF NM100REC NOT NUMERIC	13150000
04895	013400	AND ANL-DISTANCE21 OF NM100REC NOT EQUAL SPACES	13160000
04896	013410	EXAMINE ANL-DISTANCE21 OF NM100REC	13170000
04897	013420	REPLACING LEADING SPACES BY ZEROS.	13180000
04898	013430	IF ANL-DISTANCE22 OF NM100REC NOT NUMERIC	13190000
04899	013440	AND ANL-DISTANCE22 OF NM100REC NOT EQUAL SPACES	13200000
04900	013450	EXAMINE ANL-DISTANCE22 OF NM100REC	13210000
04901	013460	REPLACING LEADING SPACES BY ZEROS.	13220000
04902	013470	IF ANL-DISTANCE23 OF NM100REC NOT NUMERIC	13230000
04903	013480	AND ANL-DISTANCE23 OF NM100REC NOT EQUAL SPACES	13240000
04904	013490	EXAMINE ANL-DISTANCE23 OF NM100REC	13250000
04905	013500	REPLACING LEADING SPACES BY ZEROS.	13260000
04906	013510	IF ANL-DISTANCE24 OF NM100REC NOT NUMERIC	13270000
04907	013520	AND ANL-DISTANCE24 OF NM100REC NOT EQUAL SPACES	13280000
04908	013530	EXAMINE ANL-DISTANCE24 OF NM100REC	13290000
04909	013540	REPLACING LEADING SPACES BY ZEROS.	13300000
04910	013550	IF ANL-DISTANCE25 OF NM100REC NOT NUMERIC	13310000
04911	013560	AND ANL-DISTANCE25 OF NM100REC NOT EQUAL SPACES	13320000
04912	013570	EXAMINE ANL-DISTANCE25 OF NM100REC	13330000
04913	013580	REPLACING LEADING SPACES BY ZEROS.	13340000
04914	013590	IF ANL-DISTANCE26 OF NM100REC NOT NUMERIC	13350000
04915	013600	AND ANL-DISTANCE26 OF NM100REC NOT EQUAL SPACES	13360000
04916	013610	EXAMINE ANL-DISTANCE26 OF NM100REC	13370000
04917	013620	REPLACING LEADING SPACES BY ZEROS.	13380000
04918	013630	IF ANL-DISTANCE27 OF NM100REC NOT NUMERIC	13390000
04919	013640	AND ANL-DISTANCE27 OF NM100REC NOT EQUAL SPACES	13400000
04920	013650	EXAMINE ANL-DISTANCE27 OF NM100REC	13410000
04921	013660	REPLACING LEADING SPACES BY ZEROS.	13420000
04922	013670	IF ANL-DISTANCE28 OF NM100REC NOT NUMERIC	13430000
04923	013680	AND ANL-DISTANCE28 OF NM100REC NOT EQUAL SPACES	13440000
04924	013690	EXAMINE ANL-DISTANCE28 OF NM100REC	13450000

HEX ADDRESS OF VERBS

10-43-12 APR 3, 1984

NH100

100

Address	Description	Hex Address
04925	REPLACING LEADING SPACES BY ZEROS.	13460000
04926	IF ANL-DISTANCE29 OF NH100REC NOT NUMERIC	13670000
04927	AND ANL-DISTANCE29 OF NH100REC NOT EQUAL SPACES	13480000
04928	EXAMINE ANL-DISTANCE29 OF NH100REC	13490000
04929	REPLACING LEADING SPACES BY ZEROS.	13500000
04930	IF ANL-DISTANCE30 OF NH100REC NOT NUMERIC	13510000
04931	AND ANL-DISTANCE30 OF NH100REC NOT EQUAL SPACES	13520000
04932	EXAMINE ANL-DISTANCE30 OF NH100REC	13530000
04933	REPLACING LEADING SPACES BY ZEROS.	13540000
04934	IF NUM-OF-SPAWN-MARKS OF NH100REC NOT NUMERIC	13550000
04935	AND NUM-OF-SPAWN-MARKS OF NH100REC NOT EQUAL SPACES	13560000
04936	EXAMINE NUM-OF-SPAWN-MARKS OF NH100REC	13570000
04937	REPLACING LEADING SPACES BY ZEROS.	13580000
04938	013830*	13590000
04939	013840	13600000
04940	023-RECAPT-PRE-EDIT.	13610000
04941	IF DAYS-OUT OF NH100REC NOT NUMERIC AND DAYS-OUT OF NH100REC	13620000
04942	NOT EQUAL SPACES	13630000
04943	EXAMINE DAYS-OUT OF NH100REC REPLACING LEADING SPACES	13640000
04944	BY ZEROS.	13650000
04945	013890	13660000
04946	024-POST-SORT-PROCESSING SECTION.	13670000
04947	PERFORM 030-HOUSEKEEPING.	13680000
04948	MOVE SPACES TO NH100REC.	13690000
04949	PERFORM 100-MAINLINE UNTIL END-OF-MASTER	13700000
04950	AND END-OF-TRANS.	13710000
04951	PERFORM 060-END-OF-JOB.	13720000
04952	013970	13730000
04953	025-POST-SORT-EXIT.	13740000
04954	EXIT.	13750000
04955	014000	13760000
04956	028-REPORT-PROCESSING-SECTION.	13770000
04957	014020	13780000
04958	030-HOUSEKEEPING.	13790000
04959	IF SORT-RETURN NOT EQUAL 0	13800000
04960	DISPLAY PROGRAM ABENDED BECAUSE OF SORT RETURN CODE*	13810000
04961	ADD 1 TO CAUSE-ABEND.	13820000
04962	OPEN INPUT OLD-MAST.	13830000
04963	OPEN OUTPUT NEW-MAST, UPDATE-RPT,	13840000
04964	STRUC-ERR-RPT.	13850000
04965	MOVE CURRENT-DATE TO RI-RUN-DATE, R3-RUN-DATE.	13860000
04966	MOVE TURN-ON TO READ-TRAN-SW, READ-MSTR-SW.	13870000
04967	MOVE TURN-OFF TO WRITE-RPT1-SW,	13880000
04968	WRITE-NEWMSTR-SW, DUMMY-RD-SW.	13890000
04969	PERFORM 202-WRITE-RPT1-UPD-HEADING.	13900000
04970	PERFORM 212-WRITE-RPT2-FRR-HEADING.	13910000
04971	PERFORM 262-WRITE-RPT3-STRUC-HEADING.	13920000
04972	GET FILE OF COMMON & LATIN NAMES IN TABLE & THEN SORT THEM	13930000
04973	PERFORM 040-READ-LATIN-TABLE.	13940000
04974	040-READ-LATIN-TABLE.	13950000
04975	OPEN INPUT LATIN-FILE.	13960000
04976	MOVE 1 TO LATIN-SUBSCR.	13970000
04977	PERFORM 041-READ-TABLE UNTIL EOF-LATIN.	13980000
04978	PERFORM 041-READ-TABLE UNTIL EOF-LATIN.	13990000
04979	COMPUTE LATIN-TOTAL = LATIN-SUBSCR - 1.	13990000

HEX ADDRESS OF VERBS

10.43.12 APR 3, 1984

NW100

101

Line	Address	Code	Description	Hex Address
2	04979	014240	CLOSE LATIN-FILE.	14000000
3	04980	014250	PERFORM 042-SORT-LATIN-FILE.	14010000
4	04981	014260	IF LATIN-TOTAL LESS 427	14020000
5	04982	014270	PERFORM 046-ADD-HIGH-VALUES-VARYING-LATIN-SUBSCR FROM	14030000
6	04983	014280	LATIN-SUBSCR BY 1 UNTIL LATIN-SUBSCR GREATER 427.	14040000
7	04984	014290*		14050000
8	04985	014300-041	READ-TABLE.	14060000
9	04986	014310	READ LATIN-FILE INTO LATIN-NAME-TABLE (LATIN-SUBSCR	14070000
10	04987	014320	AT END	14080000
11	04988	014330	SUBTRACT 1 FROM LATIN-SUBSCR	14090000
12	04989	014340	DISPLAY , THERE WERE , LATIN-SUBSCR , ENTRIES ,	14100000
13	04990	014350	'LOADED INTO THE SPECIES NAME TABLE ,	14110000
14	04991	014360	'FROM MFSPPP ,	14120000
15	04992	014370	MOVE TURN-ON TO EOF-LATIN-SM.	14130000
16	04993	014380	EXAMINE SPECIES-NUMBER (LATIN-SUBSCR)	14140000
17	04994	014390	REPLACING ALL ' , ' BY ' 0 ' .	14150000
18	04995	014400	IF SPECIES-NUMBER (LATIN-SUBSCR) NOT NUMERIC OR	14160000
19	04996	014410	SPECIES-NUMBER (LATIN-SUBSCR) EQUAL ZEROS	14170000
20	04997	014420	SUBTRACT 1 FROM LATIN-SUBSCR.	14180000
21	04998	014430	ADD 1 TO LATIN-SUBSCR.	14190000
22	04999	014440*	TABLE CAPACITY IS 427 - OUTPUT MSG AND AVOID ABEND	14200000
23	05000	014450	IF LATIN-SUBSCR-EQUAL 427	14210000
24	05001	014460	DISPLAY , TABLE CAPACITY FOR MFSPPP REACHED AT 427 ,	14220000
25	05002	014470	'RECORDS - NO FURTHER RECORDS WILL BE INPUT -'	14230000
26	05003	014480	' ERRORS MAY RESULT ,	14240000
27	05004	014490	MOVE TURN-ON TO EOF-LATIN-SM.	14250000
28	05005	014500*		14260000
29	05006	014510-042	SORT-LATIN-FILE.	14270000
30	05007	014520	MOVE LATIN-TOTAL TO ARRANGE-LIMIT.	14280000
31	05008	014530	PERFORM 043-ARRANGE-START THRU 045-ARRANGE-END.	14290000
32	05009	014540*		14300000
33	05010	014550	ARRANGE-START.	14310000
34	05011	014560	MOVE 0 TO ARRANGE-LAST, ARRANGE-SSI.	14320000
35	05012	014570	MOVE 1 TO ARRANGE-SS2.	14330000
36	05013	014580*		14340000
37	05014	014590	044-ARRANGE-LOOP.	14350000
38	05015	014600	ADD 1 TO ARRANGE-SSI.	14360000
39	05016	014610	ADD 1 TO ARRANGE-SS2.	14370000
40	05017	014620	IF ARRANGE-SS2 GREATER THAN ARRANGE-LIMIT	14380000
41	05018	014630	GO TO 045-ARRANGE-END.	14390000
42	05019	014640	IF SPECIES-NUMBER-P (ARRANGE-SSI) GREATER	14400000
43	05020	014650	SPECIES-NUMBER-R (ARRANGE-SS2)	14410000
44	05021	014660	MOVE ARRANGE-SSI TO ARRANGE-LAST	14420000
45	05022	014670	MOVE LATIN-NAME-TABLE (ARRANGE-SSI) TO ARRANGE-HOLD-AREA	14430000
46	05023	014680	MOVE LATIN-NAME-TABLE (ARRANGE-SS2) TO	14440000
47	05024	014690	LATIN-NAME-TABLE (ARRANGE-SSI)	14450000
48	05025	014700	MOVE ARRANGE-HOLD-AREA TO	14460000
49	05026	014710	LATIN-NAME-TABLE (ARRANGE-SS2).	14470000
50	05027	014720	GO TO 044-ARRANGE-LOOP.	14480000
51	05028	014730*		14490000
52	05029	014740	045-ARRANGE-END.	14500000
53	05030	014750	IF ARRANGE-LAST-NOT-EQUAL 0	14510000
54	05031	014760	MOVE ARRANGE-LAST TO ARRANGE-LIMIT	14520000
55	05032	014770	GO TO 043-ARRANGE-START.	14530000

HEX ADDRESS OF VERBS

10.43.12 APR 3, 1984

MM100

102

Line	Code	Description	Hex Address
1	05033	014780*	14540000
2	05034	014790 046-ADD-HIGH-VALUES:	14550000
3	05035	014800 MOVE HIGH-VALUES TO SPECIES-NUMBER ILATIN-SUBSCRJ.	029762
4	05036	014810*	14560000
5	05037	014820 060-END-OF-JOB.	14570000
6	05038	014830*	14580000
7	05039	014940* THE-TOTAL-NUMBER-OF-NEW-MASTERFILE-RECORDS	14590000
8	05040	014950* (LISTED AT END OF REPORT 1) WILL BE LESS	14600000
9	05041	014960* THAN THE NUMBER OF RECORDS PRINTED ON REPORT 1	14610000
10	05042	014870* WHICH-INCLUDES-ALL-VALID-ADDS, CHANGES AND DELETES.	14620000
11	05043	014880*	14630000
12	05044	014890 MOVE REC-REJECT-TOT TO RPT-REJECT-TOT.	14640000
13	05045	014900 MOVE NBR-BEFORE-UPDATE TO RPT-NBR-BEFORE-UPD.	02978C
14	05046	014910 MOVE NBR-AFTER-UPDATE TO RPT-NBR-AFTER-UPD.	02979E
15	05047	014920 MOVE NBR-RECS-ADDED TO RPT-NBR-RECS-ADDED.	029780
16	05048	014930 MOVE NBR-RECS-CHG TO RPT-NBR-RECS-CHG.	0297C2
17	05049	014940 MOVE NBR-RECS-DEL TO RPT-NBR-RECS-DEL.	0297D4
18	05050	014950 IF R1-LINE-CNT GREATER THAN 46	0297E6
19	05051	014960 PERFORM 202-WRITE-RPT1-UPD-HEADING.	0297F8
20	05052	014970 WRITE UPD-PRT-LINE FROM REPORT1-TOTAL-LINE1	029802
21	05053	014980 AFTER POSITIONING 3.	02981E
22	05054	014990 WRITE UPD-PRT-LINE FROM REPORT1-TOTAL-LINE2	029868
23	05055	015000 AFTER POSITIONING 2.	0298AE
24	05056	015010 WRITE UPD-PRT-LINE FROM REPORT1-TOTAL-LINE3	0298F4
25	05057	015020 AFTER POSITIONING 2.	02993A
26	05058	015030 WRITE UPD-PRT-LINE FROM REPORT1-TOTAL-LINE4	029980
27	05059	015040 AFTER POSITIONING 2.	G299C6
28	05060	015050 WRITE UPD-PRT-LINE FROM REPORT1-TOTAL-LINE5	0299F6
29	05061	015060 AFTER POSITIONING 2.	
30	05062	015070 WRITE UPD-PRT-LINE FROM REPORT1-TOTAL-LINE6	
31	05063	015080 AFTER POSITIONING 2.	
32	05064	015090 CLOSE OLD-MAST,	
33	05065	015100 NEW-MAST, UPDATE-RPT, ERROR-RPT, STRUC-ERR-RPT.	
34	05066	015110 DISPLAY END OF-MM100.	

102

HEX ADDRESS OF VERBS

10.43.12 APR 3, 1984

103 NM100

Address	Code	Description	Hex Address
05068	015130	100-MAINLINE-	14890000
05069	015140	IF READ-MSTR	14990000
05070	015150	PERFORM 110-READ-MSTR.	14910000
05071	015160	IF-READ-TRAN	14920000
05072	015170	PERFORM 120-READ-TRANS.	14930000
05073	015180	IF NOT END-OF-MASTER AND END-OF-TRANS)	14940000
05074	015190	PERFORM 130-MATCH-MSTR-TO-TRANS.	14950000
05075	015200	IF WRITE-RPT1	14960000
05076	015210	PERFORM 200-WRITE-RPT1-UPD.	14970000
05077	015220	IF-WRITE-NEWMSTR	14980000
05078	015230	PERFORM 220-WRITE-NEWMSTR-REC.	14990000
05079	015240*		15000000
05080	015250	110-READ-MSTR.	15010000
05081	015260	IF DUMMY-RD-OFF	15020000
05082	015270	PERFORM .111-REAL-READ	15030000
05083	015280	FLSE	15040000
05084	015290	PERFORM 112-DUMMY-READ.	15050000
05085	015300	MOVE TURN-OFF TO READ-MSTR-SM.	15060000
05086	015310	***** TEMP CHG FOR-DEBUG-10725792-*****	15070000
05087	015320	***** IF SEQUENCE-NUMBER OF NM100REC = '8008506'	15080000
05088	015330	READY TRACE	15090000
05089	015340	***** DISPLAY-KEY=-MSTR-CONTROL-OF-NM100REC.	15100000
05090	015350	***** TEMP CHG FOR DEBUG 10725782 *****	15110000
05091	015360*		15120000
05092	015370	111-REAL-READ.	15130000
05093	015380	READ OLD-MAST INTO NM100REC	15140000
05094	015390	AT END	15150000
05095	015400	MOVE HIGH-VALUES-TO-NM100REC.-OLDMST-REC.	15160000
05096	015410	IF NOT END-OF-MASTER	15170000
05097	015420	ADD 1 TO NBR-BEFORE-UPDATE.	15180000
05098	015430*		15190000
05099	015440	112-DUMMY-READ.	15200000
05100	015450	MOVE OLDMST-REC TO NM100REC.	15210000
05101	015460	MOVE-TURN-OFF-TO-BUNNY-RD-SM.	15220000
05102	015470*		15230000
05103	015480	120-READ-TRANS.	15240000
05104	015490	RETURN-SORT-FILE-INTO-NM100REC	15250000
05105	015500	AT FND	15260000
05106	015510	MOVE HIGH-VALUES-TO-NM100REC.	15270000
05107	015520	MOVE TURN-OFF-TO-READ-TRAN-SM.	15280000
05108	015530	MOVE TURN-OFF TO DETAIL-LINE-WRITTEN-SM.	15290000
05109	015540*		15300000
05110	015550	130-MATCH-MSTR-TO-TRANS.	15310000
05111	015560	***** DEBUG *****	15320000
05112	015570*	DISPLAY *MST* MSTR-CONTROL	15330000
05113	015580*	TR=TR-CONTROL	15340000
05114	015590*	*****	15350000
05115	015600	IF MSTR-CONTROL GREATER THAN TR-CONTROL	15360000
05116	015610	PERFORM 131-MASTER-HIGH	15370000
05117	015620	ELSE	15380000
05118	015630	IF MSTR-CONTROL EQUAL TO TR-CONTROL	15390000
05119	015640	AND RECORD-TYPE OF NM100REC	15400000
05120	015650	RECORD-TYPE OF NM100REC	15410000
05121	015660	PERFORM 137-MASTER-EQUAL	15420000

HEX ADDRESS OF VERBS

10-43-12 APR 3-1984

104 NM100

Address	Code	Description	Hex Address
05122	015670	ELSE	15430000
05123	015680	PERFORM 170-MASTER-LOW.	029E5C
05124	015690*		15450000
05125	015700	131-MASTER-HIGH.	
05126	015710	MOVE TURN-ON TO READ-TRAN-SW.	029E82
05127	015720	IF TR-ADD	15470000
05128	015730	PERFORM-132-HIGH-ADD-TRANS	029E88
05129	015740	ELSE	15490000
05130	015750	PERFORM 134-HIGH-CHG-OR-DELETE-TRANS.	15500000
05131	015760*		15510000
05132	015770	132-HIGH-ADD-TRANS.	15520000
05133	015780	MOVE TURN-ON TO MASTER-ACTION-SW.	15530000
05134	015790	MOVE TURN-ON TO WRITE-RPT1-SW.	029EDA
05135	015800	MOVE TURN-ON TO DUMMY-RD-SW.	029EE0
05136	015810	MOVE SPACES TO NHILLOREC.	029EE6
05137	015820	MOVE CORR TR-CONTROL TO MSTR-CONTROL.	029EEC
05138	015830	MOVE RECORD-TYPE OF NHILLOREC TO RECORD-TYPE OF NHILLOREC.	029EF6
05139	015840	PERFORM 133-MOVE-DATA-BY-TYPE.	15580000
05140	015850	ADD 1 TO NBR-RECS-ADDED.	15590000
05141	015860	PERFORM 135-BUILD-RPT1.	15600000
05142	015870	MOVE REC-ADD TO RPT1-MESSAGE.	15610000
05143	015880*		15620000
05144	015890*	133-MOVE-DATA-BY-TYPE.	15630000
05145	015900*	*****	15640000
05146	015910*	DEBUG 3/83 LRL	15650000
05147	015920*	IF TR-CONTROL EQUAL '79009890188350201020016'	15660000
05148	015930*	DISPLAY 'TRANS-' TR-INDIVIDUAL-DATA * MSTR--	15670000
05149	015940*	INDIVIDUAL-DATA.	15680000
05150	015950*	*****	15690000
05151	015960	IF ENVIR-RECORD	15700000
05152	015970	MOVE CORR TR-ENVIR-STA-DATA TO ENVIR-STA-DATA	029F6E
05153	015980	ELSE	15720000
05154	015990	IF REPLIC-RECORD	029F76
05155	016000	MOVE CORR TR-REPLICATE-DATA TO REPLICATE-DATA	15740000
05156	016010	ELSE	02A05E
05157	016020	IF SPECIES-RECORD	02A066
05158	016030	MOVE CORR TR-SPECIES-DATA TO SPECIES-DATA	15770000
05159	016040	ELSE	15780000
05160	016050	IF INDIV-RECORD	02A082
05161	016060	MOVE CORR TR-INDIVIDUAL-DATA TO INDIVIDUAL-DATA	02A08A
05162	016070	ELSE	15800000
05163	016080	IF ANNILUS-RECORD	02A0D0
05164	016090	MOVE CORR TR-ANNULUS-DATA TO ANNULUS-DATA	02A0D8
05165	016100	ELSE	15810000
05166	016110	IF TAG-RECAPTURE-RECORD	02A13C
05167	016120	MOVE CORR TR-TAG-RECAPTURE-DATA TO TAG-RECAPTURE-DATA	02A144
05168	016130	ELSE	15820000
05169	016140	*****	15830000
05170	016150*	DEBUG 3/83 LRL	15840000
05171	016160*	IF TR-CONTROL EQUAL '79009890188350201020016'	02A214
05172	016170*	DISPLAY 'TRANS-' TR-INDIVIDUAL-DATA * MSTR--	02A21C
05173	016180*	INDIVIDUAL-DATA.	15870000
05174	016190	*****	15880000
05175	016200*	*****	15890000
		*****	15900000
		*****	15910000
		*****	15920000
		*****	15930000
		*****	15940000
		*****	15950000
		*****	15960000

HEX ADDRESS OF VERBS

105 W4100 10.43.12 APR 3, 1984

Address	Code	Description	Hex Address
05176	016210	134-HIGH-CHG-OR-DELETE-TRANS.	15970000
05177	016220	IF NOT VALID-CHANGE-CODE	02A25E
05178	016230	MOVE SPACES TO RPTI-MESSAGE	02A26E
05179	016240	MOVE INVAL-CHG-CODE TO RPTI-ERROR	02A278
05180	016250	ELSE	
05181	016260	IF TR-CHANGE	
05182	016270	MOVE NOT-CHG TO RPTI-MESSAGE	02A282
05183	016280	MOVE NO-REC TO RPTI-ERROR	02A28A
05184	016290	ELSE	02A29A
05185	016300	IF TP-DELETE	
05186	016310	MOVE NOT-DEL TO RPTI-MESSAGE	02A2A4
05187	016320	MOVE NO-REC TO RPTI-ERROR	02A2AC
05188	016330	MOVE TURN-ON TO EDIT-REJECT-ERROR-SW	02A2BC
05189	016340	PERFORM I77-BUILD-TRANS-ERROR	02A2C2
05190	016350*		02A2CB
05191	016360	135-BUILD-RPTI	
05192	016370	MOVE RECORD-TYPE OF NMILOREC TO RPTI-REC-TYPE	
05193	016380	MOVE SEQUENCE-NUMBER OF NMILOREC TO RPTI-SEQ-NBR	02A2EE
05194	016390	MOVE REPLICATE-NUMBER OF NMILOREC TO RPTI-REP-NBR	02A2F4
05195	016400	MOVE SPECIES-CODE OF NMILOREC TO RPTI-SPECIES-NBR	02A2FA
05196	016410	MOVE SPECIES-STATUS OF NMILOREC TO RPTI-SPECIES-STATUS	02A300
05197	016420	MOVE LINE-NUMBER OF NMILOREC TO RPTI-LINE-NBR	02A306
05198	016430	MOVE SPACES TO RPTI-ERROR	02A312
05199	016440	IF MSTR-ANNULUS-RECORD OR MSTR-INDIV-RECORD OR	02A31C
05200	016450	MSTR-SPECIES-RECORD	
05201	016460	MOVE DASH TO RPTI-DASH	02A334
05202	016470	ELSE	
05203	016480	MOVE SPACES TO RPTI-DASH	02A33E
05204	016490*		
05205	016500	137-MASTER-EQUAL	
05206	016510	MOVE TURN-ON TO READ-TRAN-SW	02A348
05207	016520	IF TP-ADD	02A34E
05208	016530	OR NOT VALID-CHANGE-CODE	
05209	016540	PERFORM I38-EQUAL-ADD-TRANS	02A36E
05210	016550	ELSE	
05211	016560	IF TR-CHANGE	02A392
05212	016570	PERFORM I39-EQUAL-CHANGE-TRANS	02A39A
05213	016580	ELSE	
05214	016590	PERFORM I60-EQUAL-DELETE-TRANS	02A3BE
05215	016600*		
05216	016610	138-EQUAL-ADD-TRANS	
05217	016620	IF TP-ADD	
05218	016630	MOVE NOT-ADD TO RPTI-MESSAGE	02A3E4
05219	016640	MOVE REC-ALREADY TO RPTI-ERROR	02A3F8
05220	016650	ELSE	02A408
05221	016660	MOVE SPACES TO RPTI-MESSAGE	
05222	016670	MOVE INVAL-CHG-CODE TO RPTI-ERROR	02A412
05223	016680	MOVE TURN-ON TO EDIT-REJECT-ERROR-SW	02A41C
05224	016690	PERFORM I77-BUILD-TRANS-ERROR	02A422
05225	016700*		02A428
05226	016710	139-EQUAL-CHANGE-TRANS	
05227	016720	MOVE TURN-ON TO MASTER-ACTION-SW	02A44E
05228	016730	MOVE TURN-ON TO WRITE-RPTI-SW	02A454
05229	016740	MOVE CORR TR-CONTROL TO MSTR-CONTROL	02A45A

HEX ADDRESS OF VERBS

Line	Address	Code	Instruction	Hex Address
1	05236	016810	140-EDIT-ROUTINE.	16570000
2	05237	016820	IF MSTR-ENVR-RECORD	16580000
3	05238	016830	PERFORM 141-EDIT-ENVR-REC	16590000
4	05239	016840	MOVE CURRENT-DATE TO DATE-MODIFIED-OF ENVR-STA-DATA	16600000
5	05240	016850	OF NMLIOREC	16610000
6	05241	016860	ELSE	16620000
7	05242	016870	IF MSTR-REPLIC-RECORD	16630000
8	05243	016880	PERFORM 149-EDIT-REPLIC-REC	16640000
9	05244	016890	MOVE CURRENT-DATE TO DATE-MODIFIED-OF REPLICATE-DATA	16650000
10	05245	016900	OF NMLIOREC	16660000
11	05246	016910	ELSE	16670000
12	05247	016920	IF MSTR-SPECIES-RECORD	16680000
13	05248	016930	PERFORM 151-EDIT-SPECIES-REC	16690000
14	05249	016940	MOVE CURRENT-DATE TO DATE-MODIFIED	16700000
15	05250	016950	OF SPECIES-DATA OF NMLIOREC	16710000
16	05251	016960	ELSE	16720000
17	05252	016970	IF MSTR-INDIV-RECORD	16730000
18	05253	016980	PERFORM 153-EDIT-INDIV-REC	16740000
19	05254	016990	MOVE CURRENT-DATE TO DATE-MODIFIED	16750000
20	05255	017000	OF INDIVIDUAL-DATA OF NMLIOREC	16760000
21	05256	017010	ELSE	16770000
22	05257	017020	IF MSTR-ANNULLUS-RECORD	16780000
23	05258	017030	PERFORM 155-EDIT-ANNULLUS-REC	16790000
24	05259	017040	MOVE CURRENT-DATE TO DATE-MODIFIED	16800000
25	05260	017050	OF ANNULUS-DATA OF NMLIOREC	16810000
26	05261	017060	ELSE	16820000
27	05262	017070	IF MSTR-TAG-RECAPTURE-RECORD	16830000
28	05263	017080	PERFORM 158-EDIT-TAG-RECAPT-REC	16840000
29	05264	017090	MOVE CURRENT-DATE TO DATE-MODIFIED	16850000
30	05265	017100	OF TAG-RECAPTURE-DATA	16860000
31	05266	017110	OF NMLIOREC.	16870000
32	05267	017120*		16880000
33	05268	017130	141-EDIT-ENVR-REC.	16890000
34	05269	017140	IF GRID-PROG-AND-NOT-(VALID-NUMER-GRID AND	16900000
35	05270	017150	VALID-ALPHA-GRID)	16910000
36	05271	017160	MOVE TURN-ON TO EDIT-ERROR-SW	16920000
37	05272	017170	MOVE ENVR-GRID OF NMLIOREC TO ERR-MSG-GRID	16930000
38	05273	017180	MOVE GRID-NOT-FORMATTED TO RPT2-ERR-MSG	16940000
39	05274	017190	PERFORM 179-BUILD-MASTER-ERROR.	16950000
40	05275	017200	IF-SEQ-YR-OF-NMLIOREC-NOT-ENVR-YV-OF-NMLIOREC	16960000
41	05276	017210	MOVE TURN-ON TO EDIT-ERROR-SW	16970000
42	05277	017220	MOVE YEAR-DOESNT-MATCH TO RPT2-ERR-MSG	16980000
43	05278	017230	PERFORM 179-BUILD-MASTER-ERROR.	16990000
44	05279	017240	*****	17000000
45	05280	017250*	DEBUG 4/83 LRL	17010000
46	05281	017260*	IF-SEQUENCE-NUMBER-OF-NMLIOREC-EQUAL-48299996*	17020000
47	05282	017270*	DISPLAY , DEBUG-4 , PROGRAM-TYPE OF NMLIOREC ,	17030000
48	05283	017280*	ENVR-START-LOC OF NMLIOREC ,	17040000
49	05284	017290*	ENVR-STA-NUMBER OF NMLIOREC ,	17050000
50	05285	017300*	ENVR-GEAR-TYPE OF NMLIOREC.	17060000
51	05286	017310	*****	17070000
52	05287	017320	IF-(PROGRAM-700-ID-799-AND-NOT-START-LOC-26-TO-40)	17080000
53	05288	017330	OR-(PROGRAM-000-TO-699-OR-PROGRAM-800-TO-999)	17090000
54	05289	017340	AND-NOT-START-LOC-0-TO-23)	17100000

HEX ADDRESS OF VERBS

10.43.12 APR 3, 1984

108 NM100

Line	Address	Code	Text	Hex Address
1	05290	017350	MOVE TURN-OM TO EDIT-ERROR-SM	17110000
2	05291	017360	MOVE START-LOC-FROR TO RPT2-ERR-MSG	17120000
3	05292	017370	PERFORM 179-BUFLD-MASTER-ERROR.	02A778
4	05293	017380	IF NOT (VAL ID-GEAR-OF-ZERO-OR VAL ID-GEAR-OF-999)	02A77E
5	05294	017390	OR (PROGRAM-050 AND NOT VAL ID-GEAR-FOR-PGM050)	17130000
6	05295	017400	OR (PROGRAM-051 AND NOT VAL ID-GEAR-FOR-PGM051)	17140000
7	05296	017410	OR (PROGRAM-055 AND NOT VAL ID-GEAR-FOR-PGM055)	17150000
8	05297	017420	OR (PROGRAM-060 AND NOT VAL ID-GEAR-FOR-PGM060)	17160000
9	05298	017430	OR (PROGRAM-100 AND NOT VAL ID-GEAR-FOR-PGM100)	17170000
10	05299	017440	OR (PROGRAM-105 AND NOT VAL ID-GEAR-FOR-PGM105)	17180000
11	05300	017450	OR (PROGRAM-110 AND NOT VAL ID-GEAR-FOR-PGM110)	17190000
12	05301	017460	OR (PROGRAM-115 AND NOT VAL ID-GEAR-FOR-PGM115)	17200000
13	05302	017470	OR (PROGRAM-120 AND NOT VAL ID-GEAR-FOR-PGM120)	17210000
14	05303	017480	OR (PROGRAM-125 AND NOT VAL ID-GEAR-FOR-PGM125)	17220000
15	05304	017490	OR (PROGRAM-126 AND NOT VAL ID-GEAR-FOR-PGM126)	17230000
16	05305	017500	OR (PROGRAM-130 AND NOT VAL ID-GEAR-FOR-PGM130)	17240000
17	05306	017510	OR (PROGRAM-150 AND NOT VAL ID-GEAR-FOR-PGM150)	17250000
18	05307	017520	OR (PROGRAM-160 AND NOT VAL ID-GEAR-FOR-PGM160)	17260000
19	05308	017530	OR (PROGRAM-170-OR-180 AND NOT VAL ID-GEAR-FOR-PGM170-180)	17270000
20	05309	017540	OR (PROGRAM-175 AND NOT VAL ID-GEAR-FOR-PGM175)	17280000
21	05310	017550	OR (PROGRAM-300 AND NOT VAL ID-GEAR-FOR-PGM300)	17290000
22	05311	017560	OR (PROGRAM-320 AND NOT VAL ID-GEAR-FOR-PGM320)	17300000
23	05312	017570	OR (PROGRAM-330 AND NOT VAL ID-GEAR-FOR-PGM330)	17310000
24	05313	017580	OR (PROGRAM-340 AND NOT VAL ID-GEAR-FOR-PGM340)	17320000
25	05314	017590	OR (PROGRAM-350 AND NOT VAL ID-GEAR-FOR-PGM350)	17330000
26	05315	017600	OR (PROGRAM-400 AND NOT VAL ID-GEAR-FOR-PGM400)	17340000
27	05316	017610	OR (PROGRAM-410 AND NOT VAL ID-GEAR-FOR-PGM410)	17350000
28	05317	017620	OR (PROGRAM-420 AND NOT VAL ID-GEAR-FOR-PGM420)	17360000
29	05318	017630	OR (PROGRAM-421-OR-422 AND NOT VAL ID-GEAR-FOR-PGM421-422)	17370000
30	05319	017640	OR (PROGRAM-430-OR-440 AND NOT VAL ID-GEAR-FOR-PGM430-440)	17380000
31	05320	017650	OR (PROGRAM-431-OR-441 AND NOT VAL ID-GEAR-FOR-PGM431-441)	17390000
32	05321	017660	OR (PROGRAM-432-OR-442 AND NOT VAL ID-GEAR-FOR-PGM432-442)	17400000
33	05322	017670	OR (PROGRAM-433-OR-443 AND NOT VAL ID-GEAR-FOR-PGM433-443)	17410000
34	05323	017680	OR (PROGRAM-434-OR-444 AND NOT VAL ID-GEAR-FOR-PGM434-444)	17420000
35	05324	017690	OR (PROGRAM-435-OR-445 AND NOT VAL ID-GEAR-FOR-PGM435-445)	17430000
36	05325	017700	OR (PROGRAM-436-OR-446 AND NOT VAL ID-GEAR-FOR-PGM436-446)	17440000
37	05326	017710	OR (PROGRAM-437-OR-447 AND NOT VAL ID-GEAR-FOR-PGM437-447)	17450000
38	05327	017720	OR (PROGRAM-438 AND NOT VAL ID-GEAR-FOR-PGM438)	17460000
39	05328	017730	OR (PROGRAM-450 AND NOT VAL ID-GEAR-FOR-PGM450)	17470000
40	05329	017740	OR (PROGRAM-460 AND NOT VAL ID-GEAR-FOR-PGM460)	17480000
41	05330	017750	OR (PROGRAM-470 AND NOT VAL ID-GEAR-FOR-PGM470)	17490000
42	05331	017760	OR (PROGRAM-500 AND NOT VAL ID-GEAR-FOR-PGM500)	17500000
43	05332	017770	OR (PROGRAM-510 AND NOT VAL ID-GEAR-FOR-PGM510)	17510000
44	05333	017780	OR (PROGRAM-530 AND NOT VAL ID-GEAR-FOR-PGM530)	17520000
45	05334	017790	OR (PROGRAM-540 AND NOT VAL ID-GEAR-FOR-PGM540)	17530000
46	05335	017800	OR (PROGRAM-550 AND NOT VAL ID-GEAR-FOR-PGM550)	17540000
47	05336	017910	OR (PROGRAM-610 AND NOT VAL ID-GEAR-FOR-PGM610)	17550000
48	05337	017920	OR (PROGRAM-615 AND NOT VAL ID-GEAR-FOR-PGM615)	17560000
49	05338	017930	OR (PROGRAM-619 AND NOT VAL ID-GEAR-FOR-PGM619)	17570000
50	05339	017840	OR (PROGRAM-620 AND NOT VAL ID-GEAR-FOR-PGM620)	17580000
51	05340	017850	OR (PROGRAM-630 AND NOT VAL ID-GEAR-FOR-PGM630)	17590000
52	05341	017960	OR (PROGRAM-650 AND NOT VAL ID-GEAR-FOR-PGM650)	17600000
53	05342	017870	OR (PROGRAM-660 AND NOT VAL ID-GEAR-FOR-PGM660)	17610000
54	05343	017880	OR (PROGRAM-670 AND NOT VAL ID-GEAR-FOR-PGM670)	17620000
55				17630000
56				17640000
57				17650000
58				17660000
59				17670000
60				17680000
61				17690000
62				17700000
63				17710000
64				17720000
65				17730000
66				17740000
67				17750000
68				17760000
69				17770000
70				17780000
71				17790000
72				17800000
73				17810000
74				17820000
75				17830000

HEX ADDRESS OF VERBS

10.43.12 APR 3, 1984

NH100

109

Address	Code	Instruction	Hex Address
05344	017890	OR (PROGRAM-680 AND NOT VALID-GEAR-FOR-PGM680)	17650000
05345	017900	OR (PROGRAM-690 AND NOT VALID-GEAR-FOR-PGM690)	17660000
05346	017910	OR (PROGRAM-700 AND NOT VALID-GEAR-FOR-PGM700)	17670000
05347	017920	OR (PROGRAM-705 AND NOT VALID-GEAR-FOR-PGM705)	17680000
05348	017930	OR (PROGRAM-710 AND NOT VALID-GEAR-FOR-PGM710)	17690000
05349	017940	OR (PROGRAM-715 AND NOT VALID-GEAR-FOR-PGM715)	17700000
05350	017950	OR (PROGRAM-720 AND NOT VALID-GEAR-FOR-PGM720)	17710000
05351	017960	OR (PROGRAM-725 AND NOT VALID-GEAR-FOR-PGM725)	17720000
05352	017970	OR (PROGRAM-730 AND NOT VALID-GEAR-FOR-PGM730)	17730000
05353	017980	OR (PROGRAM-735 AND NOT VALID-GEAR-FOR-PGM735)	17740000
05354	017990	OR (PROGRAM-740 AND NOT VALID-GEAR-FOR-PGM740)	17750000
05355	018000	OR (PROGRAM-745 AND NOT VALID-GEAR-FOR-PGM745)	17760000
05356	018010	OR (PROGRAM-750 AND NOT VALID-GEAR-FOR-PGM750)	17770000
05357	018020	OR (PROGRAM-755 AND NOT VALID-GEAR-FOR-PGM755)	17780000
05358	018030	OR (PROGRAM-760 AND NOT VALID-GEAR-FOR-PGM760)	17790000
05359	018040	OR (PROGRAM-765 AND NOT VALID-GEAR-FOR-PGM765)	17800000
05360	018050	OR (PROGRAM-770 AND NOT VALID-GEAR-FOR-PGM770)	17810000
05361	018060	OR (PROGRAM-775 AND NOT VALID-GEAR-FOR-PGM775)	17820000
05362	018070	MOVE TURN-OFF TO INVALID-GEAR-SW	17830000
05363	018080	MOVE TURN-ON TO EDIT-ERROR-SW	17840000
05364	018090	MOVE TURN-ON TO EDIT-ERROR-SW	17850000
05365	018100	MOVE PROGRAM-TYPE-R OF NH10REC TO PROG-NUMBRX	17860000
05366	018110	MOVE ENVIR-GEAR-TYPE-R OF NH10REC TO GEAR-TYPEX	17870000
05367	018120	MOVE INVALID-GEAR-MSG TO RPT2-ERR-MSG	17880000
05368	018130	PERFORM I79-BUILD-MASTER-ERROR.	17890000
05369	018140	MOVE TURN-OFF TO INVALID-STATION-SW, STATION-FOUND-SW,	17900000
05370	018150	END-OF-LIST-SW.	17910000
05371	018160	MOVE ENVIR-START-LOC-R OF NH10REC TO WORK-LOCATION.	17920000
05372	018170	IF PROGRAM-400-TO-499 OR PROGRAM-700-TO-799 OR	17930000
05373	018180	PROGRAM-930 OR PROGRAM-600-TO-699 OR	17940000
05374	018190	ENVIR-STAT-NUMBER OF NH10REC EQUAL SPACES	17950000
05375	018200	MOVE TURN-OFF TO INVALID-STATION-SW	17960000
05376	018210	ELSE	17970000
05377	018220	SEARCH-ALL-LOC-WITH-1-3-STATICS	17980000
05378	018230	AT END	17990000
05379	018240	MOVE TURN-ON TO EDIT-ERROR-SW	18000000
05380	018250	MOVE WORK-LOCATION-TO LOCATION-CODE	18010000
05381	018260	MOVE ENVIR-LOC-NOT-FOUND TO RPT2-ERR-MSG	18020000
05382	018270	PERFORM I79-BUILD-MASTER-ERROR	18030000
05383	018280	WHEN WORK-LOCATION =	18040000
05384	018290	LOCATION-1 (LOC-1-IX)	18050000
05385	018300	PERFORM I43-SEARCH-FOR-STATION.	18060000
05386	018310	IF-INVALID-STATION	18070000
05387	018320	MOVE TURN-ON TO EDIT-ERROR-SW	18080000
05388	018330	MOVE ENVIR-STAT-NUMBER OF NH10REC TO START-NMBRX	18090000
05389	018340	MOVE ENVIR-START-LOC OF NH10REC TO START-LOCK	18100000
05390	018350	MOVE INVALID-STA-MSG TO RPT2-ERR-MSG	18110000
05391	018360	PERFORM I79-BUILD-MASTER-ERROR.	18120000
05392	018370	IF ENVIR-DURATION-OR-AREA OF NH10REC NOT NUMERIC	18130000
05393	018380	MOVE ENVIR-DURATION-OR-AREA OF NH10REC TO DEC-CHECK-FLD	18140000
05394	018390	MOVE ZEROS TO DEC-CNT	18150000
05395	018400	PERFORM I42-COUNT-NUMBER-DECIMALS	18160000
05396	018410	IF DEC-CNT GREATER THAN 1	18170000
05397	018420	MOVE TURN-ON TO EDIT-ERROR-SW	18180000

HEX ADDRESS OF VERBS

110 NH100 10.43.12 APR 3, 1984

Line	Address	Code	Description	Hex Address
1	05398	018430	MOVE DURATION OR AREA TO FLD-NAME-IN-ERR	18190000
2	05399	018440	MOVE FLD-NUMERIC-ERR TO RPT2-ERR-MSG	18200000
3	05400	018450	PERFORM I79-BUILD-MASTER-ERROR.	18210000
4	05401	018460*	ADDED PER MEMO 7/14/83	18220000
5	05402	018470	IF VALID-GEAR-OF-ZERO AND ENVR-DURATION-OR-AREA OF NH10REC	18230000
6	05403	018480	NOT EQUAL SPACES	18240000
7	05404	018490	MOVE TURN-ON TO EDIT-ERROR-SM	18250000
8	05405	018503	MOVE ENVR-DURATION-OR-AREA OF NH10REC TO	18260000
9	05406	018510	ENVR-DURAT-ERR	18270000
10	05407	018529	MOVE ENVR-DURATION-ERROR TO RPT2-ERR-MSG	18280000
11	05408	018530	PERFORM I79-BUILD-MASTER-ERROR.	18290000
12	05409	018540	IF ENVR-NUMBER-REPLIC OF NH10REC EQUAL ZERO AND	18300000
13	05410	018550	NOT VALID-GEAR-OF-ZERO	18310000
14	05411	018560	MOVE TURN-ON TO EDIT-ERROR-SM	18320000
15	05412	018570	MOVE ENVR-GEAR-TYPE OF NH10REC TO ENVR-NO-GEAR	18330000
16	05413	018580	MOVE ENVR-NON-ZERO-GEAR TO RPT2-ERR-MSG	18340000
17	05414	018590	PERFORM I79-BUILD-MASTER-ERROR.	18350000
18	05415	018600*		18360000
19	05416	018610	142-COUNT-NUMBER-DECIMALS.	18370000
20	05417	018620	IF DEC-CK-1 = *	18380000
21	05418	018630	ADD 1 TO DEC-CMT.	18390000
22	05419	018640	IF DEC-CK-2 = **	18400000
23	05420	018650	ADD 1 TO DEC-CMT.	18410000
24	05421	018660	IF DFC-CK-3 = **	18420000
25	05422	018670	ADD 1 TO DEC-CNT.	18430000
26	05423	018680	IF DEC-CK-4 = **	18440000
27	05424	018690	ADD 1 TO DEC-CMT.	18450000
28	05425	018700*		18460000
29	05426	018710	143-SEARCH-FOR-STATION.	18470000
30	05427	018720	PERFORM I44-SEARCH-TAB-1-FOR-STATION	18480000
31	05428	018730	VARYING STA-1-IX FROM 1 BY 1	18490000
32	05429	018740	UNTIL STA-1-IX GREATER THAN 3	18500000
33	05430	018750	OR STATION-FOUND.	18510000
34	05431	018760	IF STATION-NOT-FOUND.	18520000
35	05432	018770	SEARCH ALL LOC-WITH-04-42-STATIONS	18530000
36	05433	018780	WHEN WORK-LOCATION =	18540000
37	05434	018790	LOCATION-2 (LOC-2-IX)	18550000
38	05435	018800	PERFORM I45-FOUND-LOCATION-IN-TAB-2.	18560000
39	05436	018810	IF STATION-NOT-FOUND	18570000
40	05437	018820	MOVE TURN-ON TO INVALID-STATION-SM.	18580000
41	05438	018830*		18590000
42	05439	018840	144-SEARCH-TAB-1-FOR-STATION.	18600000
43	05440	018850	IF ENVR-STAT-NUMBER OF NH10REC =	18610000
44	05441	018860	STATION-1 (LDC-1-IX, STA-1-IX)	18620000
45	05442	018870	MOVE TURN-ON TO STATION-FOUND-SM.	18630000
46	05443	018880*		18640000
47	05444	018890	145-FOUND-LOCATION-IN-TAB-2.	18650000
48	05445	018900	PERFORM I46-SEARCH-TAB-2-FOR-STATION	18660000
49	05446	018910	VARYING STA-2-IX FROM 1 BY 1	18670000
50	05447	018920	UNTIL STA-2-IX GREATER THAN 39	18680000
51	05448	018930	OR STATION-FOUND OR END-OF-LIST.	18690000
52	05449	018940	IF STATION-NOT-FOUND	18700000
53	05450	018950	SEARCH ALL LOC-WITH-43-138-STATIONS	18710000
54	05451	018960	WHEN WORK-LOCATION =	18720000

18190000 02C294
 18200000 02C2A4
 18210000 02C2AA
 18220000
 18230000 02C2C6
 18240000
 18250000 02C2EC
 18260000 02C2F2
 18270000
 18280000 02C2F8
 18290000 02C2FE
 18300000 02C31A
 18310000
 18320000 02C340
 18330000 02C346
 18340000 02C34C
 18350000 02C352
 18360000
 18370000
 18380000 02C378
 18390000 02C380
 18400000 02C38A
 18410000 02C392
 18420000 02C39C
 18430000 02C3A4
 18440000 02C3AE
 18450000 02C3B6
 18460000
 18470000
 18480000
 18490000
 18500000
 18510000
 18520000
 18530000
 18540000
 18550000
 18560000 02C46E
 18570000 02C492
 18580000 02C49A
 18590000
 18600000
 18610000 02C4A6
 18620000
 18630000 02C4C4
 18640000
 18650000 02C4D0
 18660000
 18670000
 18680000
 18690000
 18700000 02C520
 18710000 02C52C
 18720000

HEX ADDRESS OF VERBS

10.43.12 APR 3, 1984

111 NM100

Address	Code	Description	Hex Address
05452	018970	LOCATION-3 (LOC-3-IX)	18730000
05453	018980	PERFORM 148-SEARCH-TAB-3-FOR-STATION	18740000
05454	018990	VARYING STA-3-IX FRCH 1 BY 1	18750000
05455	019000	UNTIL STA-3-IX GREATER THAN '96	18760000
05456	019010	OR STATION-FOUND OR END-OF-LIST.	18770000
05457	019020	146-SEARCH-TAB-2-FOR-STATION.	18780000
05458	019030	IF ENVIR-STAT-NUMBER OF NM100REC =	18790000
05459	019040	STATION-2 (LOC-2-IX, STA-2-IX)	18800000
05460	019050	MOVE TURN-ON TO STATION-FOUND-SW.	18810000
05461	019060	IF STATION-2 (LOC-2-IX, STA-2-IX) = SPACES	18820000
05462	019070	MOVE TURN-ON TO END-OF-LIST-SW.	18830000
05463	019080	148-SEARCH-TAB-3-FOR-STATION.	18840000
05464	019090	IF ENVIR-STAT-NUMBER OF NM100REC =	18850000
05465	019100	STATION-3 (LOC-3-IX, STA-3-IX)	18860000
05466	019110	MOVE TURN-ON TO STATION-FOUND-SW.	18870000
05467	019120	IF STATION-3 (LOC-3-IX, STA-3-IX) = SPACES	18880000
05468	019130	MOVE TURN-ON TO END-OF-LIST-SW.	18890000
05469	019140*		18900000
05470	019150	149-EDIT-REPLIC-REG.	18910000
05471	019160	MOVE RP-SAMPLE-SIZE OF NM100REC TO CONVERT-FIELD.	18920000
05472	019170	TEST-FIELD.	18930000
05473	019180	PERFORM 150A-EDIT-EXPLICIT-DECIMAL.	18940000
05474	019190	MOVE CONVERTED-DECIMAL-12 TO RP-SAMPLE-SIZE-CNVRT.	18950000
05475	019200	MOVE RP-COLLECT-SIZE OF NM100REC TO CONVERT-FIELD.	18960000
05476	019210	TEST-FIELD.	18970000
05477	019220	PERFORM 150A-EDIT-EXPLICIT-DECIMAL.	18980000
05478	019230	MOVE CONVERTED-DECIMAL-12 TO RP-COLLECT-SIZE-CNVRT.	18990000
05479	019240	IF RP-SAMPLE-SIZE-CNVRT NOT NUMERIC	19000000
05480	019250	MOVE TURN-ON TO EDIT-ERROR-SW	19010000
05481	019260	MOVE 'SAMPLF SIZE ' TO FLD-NAME-IN-ERR	19020000
05482	019270	MOVE FLD-NOT-NUMERIC-ERR TO RPT2-ERR-MSG	19030000
05483	019280	PERFORM 179-BUILD-MASTER-ERROR.	19040000
05484	019290	IF RP-COLLECT-SIZE-CNVRT NOT NUMERIC	19050000
05485	019300	MOVE-TURN-ON-TO-EDIT-ERROR-SW	19060000
05486	019310	MOVE 'COLLECT SIZE ' TO FLD-NAME-IN-ERR	19070000
05487	019320	MOVE FLD-NOT-NUMERIC-ERR TO RPT2-ERR-MSG	19080000
05488	019330	PERFORM 179-BUILD-MASTER-ERROR.	19090000
05489	019340	IF RP-SAMPLE-SIZE-CNVRT NUMERIC AND	19100000
05490	019350	RP-SAMPLE-SIZE-CNVRT LESS 999999.999999 AND	19110000
05491	019360	RP-COLLECT-SIZE-CNVRT NUMERIC AND	19120000
05492	019370	RP-COLLECT-SIZE-CNVRT LESS 999999.999999 AND	19130000
05493	019380	RP-SAMPLE-SIZE-CNVRT GREATER THAN RP-COLLECT-SIZE-CNVRT	19140000
05494	019390	MOVE TURN-ON TO EDIT-ERROR-SW	19150000
05495	019400	'MOVE RP-SAMPLE-SIZE-CNVRT TO SAMPLE-SIZ	19160000
05496	019410	MOVE RP-COLLECT-SIZE-CNVRT TO COLLECT-SIZ	19170000
05497	019420	MOVE-SAMPLE-EXCEEDS-COLLECTION TO RPT2-ERR-MSG	19180000
05498	019430	PERFORM 179-BUILD-MASTER-ERROR.	19190000
05499	019440*		19200000
05500	019450	150A-EDIT-EXPLICIT-DECIMAL.	19210000
05501	019460	EXAMINE TEST-FIELD REPLACING ALL '.' BY '0'.	19220000
05502	019470	IF TEST-FIELD NOT NUMERIC	19230000
05503	019480	MOVE SPACES TO TARGET-AREA	19240000
05504	019490	MOVE HOLD-CONVERSION TO CONVERTED-DECIMAL-12	19250000
05505	019500	ELSE	19260000

HEX ADDRESS OF VERBS

112 NW100 10-43-12 APR 3, 1984

Address	Code	Description	Hex Address
05506	019510	PERFORM 150B-EDIT-EXPLICIT-DECIMAL.	02C8AC
05507	019520*		
05508	019530	150B-EDIT-EXPLICIT-DECIMAL.	
05509	019543	MOVE ZEROS TO NUMBER-OF-FIELDS, HOLD-CONVERSION.	02C8CE
05510	019550	IF CONVERT-FIELD EQUAL '999999'	02C8D8
05511	019560	MOVE '999999' TO NUMBER-UNITS, NUMBER-DECIMAL	02C8E2
05512	019570	ELSE	
05513	019580	UNSTRING CONVERT-FIELD DELIMITED BY *.	02C8F2
05514	019590	INTO NUMBER-UNITS COUNT IN COUNT-UNITS	
05515	019600	NUMBER-DECIMAL COUNT IN COUNT-DECIMAL	
05516	019610	TALLYING IN NUMBER-OF-FIELDS.	
05517	019620	EXAMINE TARGET-AREA REPLACING ALL * BY '0'.	02C90E
05518	019630	MOVE HOLD-CONVERSION TO CONVERTED-DECIMAL-12.	02C934
05519	019640*	DISPLAY * SEQUENCE-NUMBER OF NMIIOREC	
05520	019650*	CONVERT-FIELD * HOLD-CONVERSION *	
05521	019660*	CONVERTED-DECIMAL-12.	
05522	019670*		
05523	019680	151-EDIT-SPECIES-REC.	
05524	019690	IF SPE-SUBSAMPLE-CNT-R OF NMIIOREC NOT NUMERIC	02C944
05525	019700	MOVE TURN-ON TO EDIT-ERROR-SW	02C952
05526	019710	MOVE SUBSAMPLE COUNT* TO FLD-NAME-IN-ERR	02C958
05527	019720	MOVE FLD-NOT-NUMERIC-ERR TO RPT2-ERR-MSG	02C968
05528	019730	PERFORM I79-BUILD-MASTER-ERROR.	02C96E
05529	019740	IF SPE-SAMPLE-CNT-R OF NMIIOREC NOT NUMERIC	02C98A
05530	019750	MOVE TURN-ON TO EDIT-ERROR-SW	02C99C
05531	019760	MOVE 'SAMPLE COUNT' TO FLD-NAME-IN-ERR	02C9AC
05532	019770	MOVE FLD-NOT-NUMERIC-ERR TO RPT2-ERR-MSG	02C9B2
05533	019780	PERFORM I79-BUILD-MASTER-ERROR.	02C9B8
05534	019790	IF SPE-SUBSAMPLE-CNT-R OF NMIIOREC NUMERIC	02C9D4
05535	019800	AND SPE-SAMPLE-CNT-R OF NMIIOREC NUMERIC	
05536	019810	AND SPE-SUBSAMPLE-CNT-R OF NMIIOREC	
05537	019820	GREATER THAN SPE-SAMPLE-CNT-R OF NMIIOREC	
05538	019830	MOVE TURN-ON TO EDIT-ERROR-SW	02CA0A
05539	019840	MOVE SPE-SAMPLE-CNT-R OF NMIIOREC TO	02CA10
05540	019850	SPEC-SAMPL-NMBRX	
05541	019860	MOVE SPE-SUBSAMPLE-CNT-R OF NMIIOREC TO	02CA1A
05542	019870	SPEC-SUBSAMP-NMBRX	
05543	019880	MOVE SUB-SIZE-EXCEEDS-SAMPLE TO RPT2-ERR-MSG	02CA24
05544	019890	PERFORM I79-BUILD-MASTER-ERROR.	02CA2A
05545	019900	IF SPE-TOTAL-CNT-R OF NMIIOREC NOT NUMERIC	02CA46
05546	019910	MOVE TURN-ON TO EDIT-ERROR-SW	02CA58
05547	019920	MOVE 'TOTAL COUNT' TO FLD-NAME-IN-ERR	02CA5E
05548	019930	MOVE FLD-NOT-NUMERIC-ERR TO RPT2-ERR-MSG	02CA6E
05549	019940	PERFORM I79-BUILD-MASTER-ERROR.	02CA74
05550	019950	IF SPE-SAMPLE-CNT-R OF NMIIOREC NUMERIC	02CA90
05551	019960	AND SPE-TOTAL-CNT-R OF NMIIOREC NUMERIC	
05552	019970	AND SPE-SAMPLE-CNT-R OF NMIIOREC	
05553	019980	GREATER THAN SPE-TOTAL-CNT-R OF NMIIOREC	02CAC6
05554	019990	MOVE TURN-ON TO EDIT-ERROR-SW	02CACC
05555	020000	MOVE SPE-SAMPLE-CNT-R OF NMIIOREC TO	
05556	020010	SPE-SAMPLE-NMBRX	02CAD6
05557	020020	MOVE-SPE-TOTAL-CNT-R OF NMIIOREC TO	
05558	020030	SPE-TOTAL-NMBRX	02CAE0
05559	020040	MOVE SAMPLE-SIZE-EXC-COLLECTION TO RPT2-ERR-MSG	

19270000
19280000
19290000
19300000
19310000
19320000
19330000
19340000
19350000
19360000
19370000
19380000
19390000
19400000
19410000
19420000
19430000
19440000
19450000
19460000
19470000
19480000
19490000
19500000
19510000
19520000
19530000
19540000
19550000
19560000
19570000
19580000
19590000
19600000
19610000
19620000
19630000
19640000
19650000
19660000
19670000
19680000
19690000
19700000
19710000
19720000
19730000
19740000
19750000
19760000
19770000
19780000
19790000
19800000

HEX ADDRESS OF VERBS

10.43.12 APR 3, 1984

113 NM100

Address	Code	Description	Hex Address
05560	020050	PERFORM 179-BUILD-MASTER-ERROR.	19810000
05561	020060		19820000
05562	020070	THIS EDIT REMOVED 5/12/82 PER S.EPPERLY, EDITED AT D.N.F.	19830000
05563	020080	SPE-SUBSAMPLE-WGT-R OF NMILOREC NOT NUMERIC.	19840000
05564	020090	MOVE TURN-ON TO EDIT-ERROR-SW	19850000
05565	020100	MOVE *SUBSAMPLE WEIGHT* TO FLD-NAME-IN-ERR	19860000
05566	020110	MOVE FLD-NOT-NUMERIC-ERR TO RPT2-ERR-MSG	19870000
05567	020120	PERFORM 179-BUILD-MASTER-ERROR.	19880000
05568	020130	NOTE MAYBE .9999 (VALID WITH DECIMAL KEYED)	19890000
05569	020140		19900000
05570	020150	MOVE SPE-SAMPLE-WGT OF NMILOREC TO CONVERT-FIELD.	02C802
05571	020160	TEST-FIELD.	
05572	020170		19930000
05573	020180	PERFORM 150A-EDIT-EXPLICIT-DECIMAL.	02C80E
05574	020190	MOVE CONVERTED-DECIMAL-12 TO SPE-SAMPLE-WGT-CNVRT.	02C82A
05575	020200	IF SPE-SAMPLE-WGT-CNVRT NOT NUMERIC	02C834
05576	020210	MOVE TURN-ON TO EDIT-ERROR-SW	02C846
05577	020220	MOVE *SAMPLE WEIGHT* TO FLD-NAME-IN-ERR	02C84C
05578	020230	MOVE FLD-NOT-NUMERIC-ERR TO RPT2-ERR-MSG	02C85C
05579	020240	PERFORM 179-BUILD-MASTER-ERROR.	02C862
05580	020250	MOVE SPE-SUBSAMPLE-WGT OF NMILOREC TO CONVERT-FIELD.	02C87E
05581	020260	TEST-FIELD.	
05582	020270		20020000
05583	020280	PERFORM 150A-EDIT-EXPLICIT-DECIMAL.	02C88A
05584	020290	MOVE CONVERTED-DECIMAL-12 TO SPE-SUBSAMPLE-WGT-CNVRT.	02C8A6
05585	020300	IF SPE-SUBSAMPLE-WGT-CNVRT NOT NUMERIC	02C8B0
05586	020310	MOVE TURN-ON TO EDIT-ERROR-SW	02C8C2
05587	020320	MOVE *SUBSAMPLE WGT* TO FLD-NAME-IN-ERR	02C8C8
05588	020330	MOVE FLD-NOT-NUMERIC-ERR TO RPT2-ERR-MSG	02C8D8
05589	020340	PERFORM 179-BUILD-MASTER-ERROR.	02C8DE
05590	020350	MOVE SPE-TOTAL-WGT OF NMILOREC TO CONVERT-FIELD.	02C8FA
05591	020360	TEST-FIELD.	
05592	020370		20090000
05593	020380	PERFORM 150A-EDIT-EXPLICIT-DECIMAL.	02CC06
05594	020390	MOVE CONVERTED-DECIMAL-12 TO SPE-TOTAL-WGT-CNVRT.	02CC22
05595	020400	IF SPE-TOTAL-WGT-CNVRT NOT NUMERIC	02CC2C
05596	020410	MOVE TURN-ON TO EDIT-ERROR-SW	02CC3E
05597	020420	MOVE *TOTAL WEIGHT* TO FLD-NAME-IN-ERR	02CC44
05598	020430	MOVE FLD-NOT-NUMERIC-ERR TO RPT2-ERR-MSG	02CC54
05599	020440	PERFORM 179-BUILD-MASTER-ERROR.	02CC5A
05600	020450		02CC76
05601	020460	IF SPE-SUBSAMPLE-WGT-CNVRT NUMERIC AND	
05602	020470	SPE-SUBSAMPLE-WGT-CNVRT LESS 999999.999999	20190000
05603	020480	AND SPE-SAMPLE-WGT-CNVRT NUMERIC	20200000
05604	020490	AND SPE-SAMPLE-WGT-CNVRT LESS 999999.999999	20210000
05605	020500	AND SPE-SAMPLE-WGT-CNVRT LESS 999999.999999	20220000
05606	020510	GREATER THAN SPE-SAMPLE-WGT-CNVRT	20230000
05607	020520	MOVE TURN-ON TO EDIT-ERROR-SW	20240000
05608	020530	MOVE SPE-SUBSAMPLE-WGT-CNVRT TO SPE-SUR-WGHTX	02CCCC
05609	020540	MOVE SPE-SAMPLE-WGT-CNVRT TO SPE-SAMP-WGHTX	02CCF6
05610	020550	PERFORM 179-BUILD-MASTER-ERROR.	02CD1A
05611	020560	IF SPE-SAMPLE-WGT-CNVRT NUMERIC AND	02CD20
05612	020570	SPE-SAMPLE-WGT-CNVRT LESS 999999.999999	02CD3C
05613	020580	AND SPE-TOTAL-WGT-CNVRT LESS 999999.999999	
		AND SPE-SAMPLE-WGT-CNVRT	20290000
		GREATER THAN SPE-TOTAL-WGT-CNVRT	20300000
			20310000
			20320000
			20330000
			20340000

HEX ADDRESS OF VERBS

10.43.12 APR 3, 1984

114 NM100

Address	Code	Hex Address	Text
05614	020590	20350000	MOVE-TURN-ON TO EDIT-ERROR-SM
05615	020600	20360000	MOVE SPE-SAMPLE-WGT-CNVRT TO SPE-SAMPLE-WGHTX
05616	020610	20370000	MOVE SPE-TOTAL-WGT-CNVRT TO SPE-TOTL-WGHTX
05617	020620	20380000	MOVE SAMPLE-WGT-EXCEEDS-TOTAL TO RPT2-ERR-MSG
05618	020630	20390000	PERFORM 179-BUILD-MASTER-ERROR.
05619	020640	20400000	MOVE ZEROS TO WORK-CNT.
05620	020650	20410000	*****
05621	020660*	20420000	DEBUG 4/83 LRL
05622	020670*	20430000	IF SEQUENCE-NUMBER OF NMIIOREC EQUAL '8299999' AND
05623	020680*	20440000	SPECIES-GROUP OF NMIIOREC EQUAL '88354407011'
05624	020690*	20450000	DISPLAY ' DEBUG-5 ' SPE-TAG-TYPE1 OF NMIIOREC ' '
05625	020700*	20460000	SPE-NBR-TAGGED1 OF NMIIOREC ' ' SPE-TAG-TYPE2 OF NMIIOREC
05626	020710*	20470000	' ' SPE-NBR-TAGGED2 OF NMIIOREC.
05627	020720	20480000	*****
05628	020730	20490000	IF SPE-TAG-TYPE1 OF NMIIOREC = SPACES
05629	020740	20500000	IF SPE-NBR-TAGGED1 OF NMIIOREC = SPACES
05630	020750	20510000	NEXT SENTENCE
05631	020760	20520000	ELSE
05632	020770	20530000	MOVE-TURN-ON TO EDIT-ERROR-SM
05633	020780	20540000	MOVE TAG-TYPE-NBR-ERR TO RPT2-ERR-MSG
05634	020790	20550000	PERFORM 179-BUILD-MASTER-ERROR
05635	020800	20560000	ELSE
05636	020910	20570000	IF SPE-NBR-TAGGED1 OF NMIIOREC IS NUMERIC
05637	020820	20580000	ADD SPE-NBR-TAGGED1-R OF NMIIOREC TO WORK-CNT
05638	020830	20590000	ELSE
05639	020840	20600000	MOVE-TURN-ON TO EDIT-ERROR-SM
05640	020850	20610000	MOVE TAG-TYPE-NBR-ERR TO RPT2-ERR-MSG
05641	020860	20620000	PERFORM 179-BUILD-MASTER-ERROR.
05642	020870	20630000	IF SPE-TAG-TYPE2 OF NMIIOREC = SPACES
05643	020880	20640000	IF SPE-NBR-TAGGED2 OF NMIIOREC = SPACES
05644	020890	20650000	NEXT SENTENCE
05645	020900	20660000	ELSE
05646	020910	20670000	MOVE-TURN-ON TO EDIT-ERROR-SM
05647	020920	20680000	MOVE TAG-TYPE-NBR-ERR TO RPT2-ERR-MSG
05648	020930	20690000	PERFORM 179-BUILD-MASTER-ERROR
05649	020940	20700000	ELSE
05650	020950	20710000	IF SPE-NBR-TAGGED2 OF NMIIOREC IS NUMERIC
05651	020960	20720000	ADD SPE-NBR-TAGGED2-R OF NMIIOREC TO WORK-CNT
05652	020970	20730000	ELSE
05653	020980	20740000	MOVE-TURN-ON TO EDIT-ERROR-SM
05654	020990	20750000	MOVE TAG-TYPE-NBR-ERR TO RPT2-ERR-MSG
05655	021000	20760000	PERFORM 179-BUILD-MASTER-ERROR.
05656	021010	20770000	*****
05657	021020*	20780000	DEBUG 4/83 LRL
05658	021030*	20790000	IF SEQUENCE-NUMBER OF NMIIOREC EQUAL '8299999' AND
05659	021040*	20800000	SPECIES-GROUP OF NMIIOREC EQUAL '88354407011'
05660	021050*	20810000	DISPLAY ' DEBUG-10 ' WORK-CNT
05661	021060	20820000	*****
05662	021070	20830000	IF-WORK-CNT GREATER THAN ZERO
05663	021080	20840000	AND WORK-CNT GREATER THAN SPE-SAMPLE-CNT-R OF NMIIOREC
05664	021090	20850000	MOVE-TURN-ON TO EDIT-ERROR-SM
05665	021100	20860000	MOVE NBR-TAGGED-ERR TO RPT2-ERR-MSG
05666	021110	20870000	PERFORM 179-BUILD-MASTER-ERROR.
05667	021120*	20880000	*****

HEX ADDRESS OF VERBS

10.43.12 APR 3, 1984

115 NM100

05668	021130*	EDIT-ADDED-2/84-BY-EFF	20820000	02CF86
05669	021140	IF SPE-INDIV-FORMAT-CODE OF NMLIOREC = '5'	20830000	
05670	021150	AND REPLICATE-NUMBER OF NMLIOREC NOT = '00'	20840000	
05671	021160	MOVE TURN-ON TO EDIT-ERROR-SW	20850000	02CF9C
05672	021170	MOVE FORM-OF-RECORD-TYPE-TV-ERR TO RPT2-ERR-MSG	20860000	02CFA2
05673	021180	PERFORM I79-BUILD-MASTER-ERROR.	20870000	02CFAB
05674	021190*	END-OF ADDITION-EFF	20880000	
05675	021200*		20890000	
05676	021210	153-EDIT-INDIV-REC.	20890000	
05677	021220*	*****	20900000	
05678	021230*	DEBUG 3/83 LRL	20910000	
05679	021240*	IF SEQUENCE-NUMBER OF NMLIOREC EQUAL '7499999' AND	20920000	
05680	021250*	SPECIES-CODE OF NMLIOREC EQUAL '48747010105' AND	20930000	
05681	021260*	LINE-NUMBER OF NMLIOREC EQUAL '008'	20940000	
05682	021270*	DISPLAY 'DERIVUS-1', INDIV-AGE-STATUS OF NMLIOREC	20950000	
05683	021280*	' ', INDIV-AGE-STRUCTURE OF NMLIOREC ' '	20960000	
05684	021290*	INDIV-AGE OF NMLIOREC ' '	20970000	
05685	021300*	INDIV-SPAWN-MARK-CNT OF NMLIOREC.	20980000	
05686	021310*	*****	20990000	
05687	021320	IF INDIV-AGE-R OF NMLIOREC NUMERIC	21000000	02CFCE
05688	021330	AND INDIV-SPAWN-MARK-CNT-R OF NMLIOREC NUMERIC	21010000	
05689	021340	AND INDIV-AGE-R OF NMLIOREC LESS THAN	21020000	
05690	021350	INDIV-SPAWN-MARK-CNT-R OF NMLIOREC	21030000	
05691	021360	MOVE TURN-ON TO EDIT-ERROR-SW	21040000	02D00C
05692	021370	MOVE AGE-LT-SPAWN-MARK TO RPT2-ERR-MSG	21050000	02D012
05693	021380	PERFORM I79-BUILD-MASTER-ERROR.	21060000	02D018
05694	021390*	*****	21070000	
05695	021400*	ADDED 11/82 PER MEMO 11/9/82	21080000	
05696	021410	IF (INDIV-AGE-STATUS OF NMLIOREC EQUAL '0' OR	21090000	02D034
05697	021420	INDIV-AGE-STATUS OF NMLIOREC EQUAL '1')	21100000	
05698	021430	AND (INDIV-AGE-STRUCTURE OF NMLIOREC NOT EQUAL ' ' OR	21110000	
05699	021440	INDIV-AGE OF NMLIOREC NOT EQUAL ' ' OR	21120000	
05700	021450	INDIV-SPAWN-MARK-CNT OF NMLIOREC NOT EQUAL ' ')	21130000	
05701	021460	MOVE TURN-ON TO EDIT-ERROR-SW	21140000	02D06E
05702	021470	PERFORM I79-BUILD-MASTER-ERROR.	21150000	02D074
05703	021480	PERFORM I79-BUILD-MASTER-ERROR.	21160000	02D07A
05704	021490	IF (INDIV-AGE-STATUS OF NMLIOREC EQUAL '0' AND	21170000	02D096
05705	021500	(INDIV-AGE-STRUCTURE OF NMLIOREC NOT EQUAL '0' AND	21180000	
05706	021510	INDIV-AGE-STATUS OF NMLIOREC NOT EQUAL '0' OR	21190000	
05707	021520	INDIV-AGE OF NMLIOREC NOT EQUAL ' ' OR	21200000	
05708	021530	INDIV-SPAWN-MARK-CNT OF NMLIOREC NOT EQUAL ' ')	21210000	
05709	021540	MOVE TURN-ON TO EDIT-ERROR-SW	21220000	02D0C6
05710	021550	MOVE INDIV-AGE-INCONSIS TO RPT2-ERR-MSG	21230000	02D0CC
05711	021560	PERFORM I79-BUILD-MASTER-ERROR.	21240000	02D0D2
05712	021570	IF (INDIV-AGE OF NMLIOREC NOT EQUAL ' ' OR	21250000	02D0EE
05713	021580	INDIV-SPAWN-MARK-CNT OF NMLIOREC NOT EQUAL ' ')	21260000	
05714	021590	AND (INDIV-AGE-STATUS OF NMLIOREC LESS '1' OR	21270000	
05715	021600	INDIV-AGE-STRUCTURE OF NMLIOREC LESS '1')	21280000	02D116
05716	021610	MOVE TURN-ON TO EDIT-ERROR-SW	21290000	
05717	021620	MOVE INDIV-AGE-INCONSIS TO RPT2-ERR-MSG	21300000	02D11C
05718	021630	PERFORM I79-BUILD-MASTER-ERROR.	21310000	02D122
05719	021640	IF-INDIV-AGE-STATUS OF NMLIOREC EQUAL '1' AND	21320000	02D13E
05720	021650	INDIV-AGE-R OF NMLIOREC NOT NUMERIC	21330000	
05721	021660	MOVE TURN-ON TO EDIT-ERROR-SW	21340000	02D158

HEX ADDRESS OF VERBS

10.43.12 APR 3, 1984

MM100

116

Address	Code	Description	Hex Address
05722	021670	MOVE INDIV-AGE-STAT-ERR2 TO RPT2-ERR-MSG	21350000
05723	021680	PERFORM 179-BUILD-MASTER-ERROR.	21360000
05724	021690	IF INDIV-AGE-STATUS OF NMILOREC EQUAL *2*	21370000
05725	021700	PERFORM 249-SAVE-AGE-STATUS	21390000
05726	021710	MOVE NMILOREC TO SAVE-INDIV	21390000
05727	021720	IF INDIV-AGE OF NMILOREC NOT NUMERIC	21400000
05728	021730	MOVE TURN-ON TO EDIT-ERROR-SM	21410000
05729	021740	MOVE INDIV-AGE-STAT-ERR3 TO RPT2-ERR-MSG	21420000
05730	021750	PERFORM 179-BUILD-MASTER-ERROR.	21430000
05731	021760	IF INDIV-AGE-STATUS OF NMILOREC EQUAL *3* AND	21440000
05732	021770	(INDIV-AGE OF NMILOREC NOT EQUAL SPACES OR	21450000
05733	021780	INDIV-SPAWN-MARK-CNT OF NMILOREC NOT EQUAL SPACES)	21460000
05734	021790	MOVE TURN-ON TO EDIT-ERROR-SM	21470000
05735	021800	MOVE INDIV-AGE-STAT-ERR4 TO RPT2-ERR-MSG	21480000
05736	021810	PERFORM 179-BUILD-MASTER-ERROR.	21490000
05737	021820	IF INDIV-TAG-NBR-ALPHAB NOT ALPHABETIC OR	21500000
05738	021830	INDIV-TAG-NBR-DIGIT NOT NUMERIC AND	21510000
05739	021840	INDIV-TAG-NBR OF NMILOREC NOT EQUAL SPACES	21520000
05740	021850	MOVE TURN-ON TO EDIT-ERROR-SM	21530000
05741	021860	MOVE INDIV-TAG-NBR OF NMILOREC TO TAG-NBR-ERROR	21540000
05742	021870	MOVE TAG-NUMBR-ERROR TO RPT2-ERR-MSG	21550000
05743	021880	PERFORM 179-BUILD-MASTER-ERROR.	21560000
05744	021890*		20880000
05745	021900*	EDIT ADDED 2/84 BY EFF	20820000
05746	021910	IF (INDIV-TAG-NBR OF NMILOREC NOT - SPACES)	20830000
05747	021920	AND (INDIV-STATUS OF NMILOREC GREATER THAN 3	20840000
05748	021930	OR LESS THAN 1)	20840000
05749	021940	MOVE TURN-ON TO EDIT-ERROR-SM	20850000
05750	021950	MOVE STATUS-NBR-ERR TO RPT2-ERR-MSG	20860000
05751	021960	PERFORM 179-BUILD-MASTER-ERROR.	20870000
05752	021970*	END-OF-ADDITION EFF	20880000
05753	021980*		20880000
05754	021990*		21570000
05755	022000*		21580000
05756	022010	155-EDIT-AMNULUS-REC.	21590000
05757	022020	MOVE 1 TO WK-SUB.	21600000
05758	022030	PERFORM 156-FIND-LAST-DIST-TO-ANL	21610000
05759	022040	UNTIL ANL-DIST OF NMILOREC (WK-SUB) NOT NUMERIC	21620000
05760	022050	OR ANL-DIST OF NMILOREC (WK-SUB) EQUAL ZEROS.	21630000
05761	022060	IF WK-SUB NOT EQUAL 1	21640000
05762	022070	COMPUTE WK-SUB = WK-SUB - 1.	21650000
05763	022080*		21660000
05764	022090*		21670000
05765	022100*	IF SEQUENCE-NUMBER OF NMILOREC EQUAL *7499999* AND	21680000
05766	022110*	SPECIES-CODE OF NMILOREC EQUAL *8747010105* AND	21690000
05767	022120*	LINE-NUMBER-OF-NMILOREC EQUAL *013*	21700000
05768	022130*	DISPLAY *DEBUG-2* ANL-MARGIN-INCR OF NMILOREC	21710000
05769	022140*	ANL-DIST OF NMILOREC (WK-SUB) *	21720000
05770	022150*	ANL-LTH-TO-EDGE OF NMILOREC *	21730000
05771	022160*	WK-SUB *	21740000
05772	022170*		21750000
05773	022180*	ADDED PER-MEMO 2/25/83 FROM EPPERLY BY LRL	21760000
05774	022190	IF ANL-MARGIN-INCR-R CF NMILOREC NOT NUMERIC	21770000
05775	022200	IF ANL-DIST OF NMILOREC (WK-SUB) NUMERIC	21780000

HEX ADDRESS OF VERBS

11R NM100 10.43.12 APR 3, 1984

Line	Address	Code	Description	Hex Address
1	05830	022750	IF WORK-CNT-GREATER THAN ANL-AGE-R OF NMIIOREC AND	02D5E8
2	05831	022760	ANL-AGE-R OF NMIIOREC GREATER ZERO	22330000
3	05832	022770	MOVE TURN-ON TO EDIT-ERROR-SW	22340000
4	05833	022780	MOVE-NDR-ANL-DIST-CT-AGE TO RPT2-ERR-MSG	22350000
5	05834	022790	PERFORM I79-BUILD-MASTER-ERROR.	22360000
6	05835	022800	*****	22370000
7	05836	022810	DEBUB-CHECK I783 LRL	*****22380000
8	05837	022820	IF SEQUENCE-NUMBER OF NMIIOREC EQUAL I7900989* DR	22390000
9	05838	022830	IF SEQUENCE-NUMBER OF NMIIOREC EQUAL I7900990*	22400000
10	05839	022840	DISPLAY I DEBUB-A I SPECIES-GROUP OF NMIIOREC I *	22410000
11	05840	022850	LAST-SPECIES-GROUP I SAVE-INDIV-AGE-STATUS.	22420000
12	05841	022860	*****	22430000
13	05842	022870	CHANGE FIRST PART OF IF TEST - ASSUMPTION THAT ONLY ONE ANNU	*****22440000
14	05843	022880	RECORD PER INDIVIDUAL IN FILE	22450000
15	05844	022890	IF SAVE-INDIV-AGE-STATUS EQUAL *2*	22460000
16	05845	022900	MOVE SPACES TO SAVE-INDIV-AGE-STATUS	22470000
17	05846	022910	ELSE	22480000
18	05847	022920	MOVE TURN-ON TO EDIT-ERROR-SW	22490000
19	05848	022930	MOVE IND-AGE-STAT-FRR TO RPT2-ERR-MSG	22500000
20	05849	022940	PERFORM I79-BUILD-MASTER-ERROR.	22510000
21	05850	022950	ADDED 5/83 PER DISCUSSION WITH EPPERLY BY LRL	22520000
22	05851	022960	IF SAVE-INDIV-AGE-R NUMERIC AND ANL-AGE-R OF NMIIOREC NUMERIC	22530000
23	05852	022970	IF SAVE-INDIV-AGE-R NOT EQUAL ANL-AGE-R OF NMIIOREC	22540000
24	05853	022980	MOVE TURN-ON TO EDIT-ERROR-SW	22550000
25	05854	022990	MOVE AGE-CONFLICT TO RPT2-ERR-MSG	22560000
26	05855	023000	PERFORM I79-BUILD-MASTER-ERROR.	22570000
27	05856	023010	*****	22580000
28	05857	023020	DEBUB I0783 LRL	*****22590000
29	05858	023030	IF SEQUENCE-NUMBER OF NMIIOREC EQUAL 8299995	22600000
30	05859	023040	DISPLAY I DEBUB-Y I SAVE-INDIV-SPAWN-MARK I *	22610000
31	05860	023050	NUM-OF-SPAWN-MARKS OF NMIIOREC I I. SAVE-INDIV-LINE	22620000
32	05861	023060	I LINE-NUMBER OF NMIIOREC I	22630000
33	05862	023070	*****	22640000
34	05863	023080	ADDED-PER MEMO 7/14/83 I0	*****22650000
35	05864	023090	IF SAVE-INDIV-SPAWN-MARK-R NUMERIC AND	22660000
36	05865	023100	NUM-OF-SPAWN-MARKS-R OF NMIIOREC NUMERIC	22670000
37	05866	023110	IF SAVE-INDIV-SPAWN-MARK-R NOT EQUAL	22680000
38	05867	023120	NUM-OF-SPAWN-MARKS-R OF NMIIOREC	22690000
39	05868	023130	MOVE TURN-ON TO EDIT-ERROR-SW	22700000
40	05869	023140	MOVE SAVE-INDIV-SPAWN-MARK TO INDIV-SPWN	22710000
41	05870	023150	MOVE NUM-OF-SPAWN-MARKS OF NMIIOREC TO ANNL-SPWN	22720000
42	05871	023160	MOVE SPAWN-CONFLICT TO RPT2-ERR-MSG	22730000
43	05872	023170	PERFORM I79-BUILD-MASTER-ERROR.	22740000
44	05873	023180	*****	22750000
45	05874	023190	156-FIND-LAST-DIST-TO-ANL.	22760000
46	05875	023200	ADD I TO WK-SUB9.	22770000
47	05876	023210	*****	22780000
48	05877	023220	157-TEST-DISTANCE-INCREASE.	22790000
49	05878	023230	IF ANL-DIST OF NMIIOREC (WK-SUB9) NOT-NUMERIC	22800000
50	05879	023240	OR ANL-DIST OF NMIIOREC (WK-SUB1) = ZEROS	22810000
51	05880	023250	MOVE TURN-ON TO MISSING-DISTANCE-SW	22820000
52	05881	023260	ELSE	22830000
53	05882	023270	ADD I TO WORK-CNT	22840000
54	05883	023280	IF ANL-DIST OF NMIIOREC (WK-SUB1)	22850000
55				22860000
56				22870000
57				22880000
58				22890000
59				22900000
60				22910000
61				22920000
62				22930000
63				22940000
64				22950000
65				22960000
66				22970000
67				22980000
68				22990000
69				23000000
70				23010000
71				23020000
72				23030000
73				23040000
74				23050000
75				23060000
76				23070000
77				23080000
78				23090000
79				23100000
80				23110000
81				23120000
82				23130000
83				23140000
84				23150000
85				23160000
86				23170000
87				23180000
88				23190000
89				23200000
90				23210000
91				23220000
92				23230000
93				23240000
94				23250000
95				23260000
96				23270000
97				23280000
98				23290000
99				23300000
100				23310000
101				23320000
102				23330000
103				23340000
104				23350000
105				23360000
106				23370000
107				23380000
108				23390000
109				23400000
110				23410000
111				23420000
112				23430000
113				23440000
114				23450000
115				23460000
116				23470000
117				23480000
118				23490000
119				23500000
120				23510000
121				23520000
122				23530000
123				23540000
124				23550000
125				23560000
126				23570000
127				23580000
128				23590000
129				23600000
130				23610000
131				23620000
132				23630000
133				23640000
134				23650000
135				23660000
136				23670000
137				23680000
138				23690000
139				23700000
140				23710000
141				23720000
142				23730000
143				23740000
144				23750000
145				23760000
146				23770000
147				23780000
148				23790000
149				23800000
150				23810000
151				23820000
152				23830000
153				23840000
154				23850000
155				23860000
156				23870000
157				23880000
158				23890000
159				23900000
160				23910000
161				23920000
162				23930000
163				23940000
164				23950000
165				23960000
166				23970000
167				23980000
168				23990000
169				24000000
170				24010000
171				24020000
172				24030000
173				24040000
174				24050000
175				24060000
176				24070000
177				24080000
178				24090000
179				24100000
180				24110000
181				24120000
182				24130000
183				24140000
184				24150000
185				24160000
186				24170000
187				24180000
188				24190000
189				24200000
190				24210000
191				24220000
192				24230000
193				24240000
194				24250000
195				24260000
196				24270000
197				24280000
198				24290000
199				24300000
200				24310000
201				24320000
202				24330000
203				24340000
204				24350000
205				24360000
206				24370000
207				24380000
208				24390000
209				24400000
210				24410000
211				24420000
212				24430000
213				24440000
214				24450000
215				24460000
216				24470000
217				24480000
218				24490000
219				24500000
220				24510000
221				24520000
222				24530000
223				24540000
224				24550000
225				24560000
226				24570000
227				24580000
228				24590000
229				24600000
230				24610000
231				24620000
232				24630000
233				24640000
234				24650000
235				24660000
236				24670000
237				24680000
238				24690000
239				24700000
240				24710000
241				24720000
242				24730000
243				24740000
244				24750000
245				24760000
246				24770000
247				24780000
248				24790000
249				24800000
250				24810000
251				24820000
252				24830000
253				24840000
254				24850000
255				24860000
256				24870000
257				24880000
258				24890000
259				24900000
260				24910000
261				24920000
262				24930000
263				24940000
264				24950000
265				24960000
266				24970000
267				24980000
268				24990000
269				25000000
270				25010000
271				25020000
272				25030000
273				25040000
274				25050000
275				25060000
276				25070000
277				25080000
278				25090000
279				25100000
280				25110000
281				25120000
282				25130000
283				25140000
284				25150000
285				25160000
286				25170000</

HEX ADDRESS OF VERBS

10.43.12 APR 3, 1984

MM100

11R

Line	Address	Code	Description	Hex Address
1	05830	022750	IF WORK-CNT-GREATER THAN ANL-AGE-R OF NMILOREC AND	02D95E
2	05831	022760	ANL-AGE-R OF NMILOREC GREATER ZERO	22330000
3	05832	022770	MOVE TURN-ON TO EDIT-ERROR-SW	22340000
4	05833	022780	MOVE-NBR-ANL-DIST-AGE TO RPT2-ERR-MSG	02D60C
5	05834	022790	PERFORM I79-BUILD-MASTER-ERROR.	02D612
6	05835	022800	*****	02D618
7	05836	022810	DEBUG-CHECK-I793-LRL	22370000
8	05837	022820	IF SEQUENCE-NUMBER OF NMILOREC EQUAL '7900989' OR	22390000
9	05838	022830	SEQUENCE-NUMBER OF NMILOREC EQUAL '7900990'	22400000
10	05839	022840	DISPLAY 'DEBUG-A' SPECIES-GROUP OF NMILOREC *	22410000
11	05840	022850	LAST-SPECIES-GROUP * SAVE-INDIV-AGE-STATUS.	22420000
12	05841	022860	*****	22430000
13	05842	022870	CHANGE FIRST PART OF IF TEST - ASSUMPTION THAT ONLY ONE	22440000
14	05843	022880	RECORD PER INDIVIDUAL IN FILE	22450000
15	05844	022890	IF SAVE-INDIV-AGE-STATUS EQUAL *2*	22460000
16	05845	022900	MOVE SPACES TO SAVE-INDIV-AGE-STATUS	02D634
17	05846	022910	ELSE	02D640
18	05847	022920	MOVE TURN-ON TO EDIT-ERROR-SW	22490000
19	05848	022930	MOVE IND-AGE-STAT-FRR TO RPT2-ERR-MSG	22500000
20	05849	022940	PERFORM I79-BUILD-MASTER-ERROR.	02D64E
21	05850	022950	ADDED 5/83 PER DISCUSSION WITH EPPERLY BY LRL	02D654
22	05851	022960	IF SAVE-INDIV-AGE-R NUMERIC AND ANL-AGE-R OF NMILOREC	22530000
23	05852	022970	MOVE TURN-ON TO EDIT-ERROR-SW	02D670
24	05853	022980	MOVE AGE-CONFLICT TO RPT2-FRR-MSG	02D690
25	05854	022990	PERFORM I79-BUILD-MASTER-ERROR.	02D6A6
26	05855	023000	*****	02D6AC
27	05856	023010	*****	02D6B2
28	05857	023020	DEBUG I0793 LRL	22600000
29	05858	023030	IF SEQUENCE-NUMBER OF NMILOREC EQUAL 8299995	22610000
30	05859	023040	DISPLAY 'DEBUG-Y' SAVE-INDIV-SPAWN-MARK *	22620000
31	05860	023050	NUM-OF-SPAWN-MARKS OF NMILOREC * * SAVE-INDIV-LINE	22630000
32	05861	023060	* * LINE-NUMBER OF NMILOREC *	22640000
33	05862	023070	*****	22650000
34	05863	023080	ADDED PER MEMO 7/14/83 I0	22660000
35	05864	023090	IF SAVE-INDIV-SPAWN-MARK-R OF NMILOREC NUMERIC AND	02D6CE
36	05865	023100	NUM-OF-SPAWN-MARK-R NOT EQUAL	02D6EE
37	05866	023110	IF SAVE-INDIV-SPAWN-MARK-R OF NMILOREC	22690000
38	05867	023120	NUM-OF-SPAWN-MARKS-R OF NMILOREC	22700000
39	05868	023130	MOVE TURN-ON TO EDIT-ERROR-SW	22710000
40	05869	023140	MOVE SAVE-INDIV-SPAWN-MARK TO INDIV-SPWN	02D704
41	05870	023150	MOVE NUM-OF-SPAWN-MARKS OF NMILOREC TO ANL-SPHN	02D70A
42	05871	023160	MOVE SPAWN-CONFLICT TO RPT2-ERR-MSG	02D710
43	05872	023170	PERFORM I79-BUILD-MASTER-ERROR.	02D716
44	05873	023180	*****	02D71C
45	05874	023190	156-FIND-LAST-ID-ANL.	22760000
46	05875	023200	ADD I TO WORK-CNT	22770000
47	05876	023210	ADD I TO WK-SUB.	22780000
48	05877	023220	157-TEST-DISTANCE-INCREASE.	22790000
49	05878	023230	IF ANL-DIST OF NMILOREC (WK-SUB) NOT NUMERIC	22800000
50	05879	023240	OR ANL-DIST OF NMILOREC (WK-SUB) = ZEROS	22810000
51	05880	023250	MOVE TURN-ON TO MISSING-DISTANCE-SW	22820000
52	05881	023260	ELSE	22830000
53	05882	023270	ADD I TO WORK-CNT	22840000
54	05883	023280	IF ANL-DIST OF NMILOREC (WK-SUB)	22850000
55				22860000
56				22870000
57				22880000
58				22890000
59				22900000
60				22910000
61				22920000
62				22930000
63				22940000
64				22950000
65				22960000
66				22970000
67				22980000
68				22990000
69				23000000
70				23010000
71				23020000
72				23030000
73				23040000
74				23050000
75				23060000
76				23070000
77				23080000
78				23090000
79				23100000
80				23110000
81				23120000
82				23130000
83				23140000
84				23150000
85				23160000
86				23170000
87				23180000
88				23190000
89				23200000
90				23210000
91				23220000
92				23230000
93				23240000
94				23250000
95				23260000
96				23270000
97				23280000
98				23290000
99				23300000
100				23310000

HEX ADDRESS OF VERBS

10.43.12 APR 3, 1984

119 NM100

Address	Code	Hex Address
05884	023290	NOT GREATER THAN ANL-DIST OF NM110REC (MK-SUB-2)
05885	023300	MOVE TURN-ON TO DECREASE-SM.
05886	023310	SUBTRACT 1 FROM MK-SUB-2.
05887	023320*	
05888	023330	158-EDIT-TAG-RECAPT-REC.
05889	023340*	
05890	023350*	DEBUG 9783 LRL
05891	023360*	IF SEQUENCE-NUMBER OF NM110REC EQUAL '8299991'
05892	023370*	DISPLAY 'DEBUG-U' * RECAPTURE-DATE OF NM110REC *
05893	023380*	SAVE-ENVIR-DATE.
05894	023390*	
05895	023400*	EDIT RECAPT DATE WITH ENVIR DATE 8/83
05896	023410	IF RECAPTURE-DATE-R NUMERIC AND SAVE-ENVIR-DATE-R NOT EQUAL ZEROS
05897	023420	AND RECAPTURE-DATE-R NOT EQUAL ZEROS
05898	023430	AND SAVE-ENVIR-DATE-R NOT EQUAL ZEROS
05899	023440	PERFORM 1588-COMPARE-DATES.
05900	023450	IF TAG-NUMBER-DIGIT NOT NUMERIC OR TAG-NUMBER-ALPHAB NOT
05901	023460	ALPHABETIC.
05902	023470	MOVE TURN-ON TO EDIT-ERROR-SM
05903	023480	MOVE TAG-NUMBER OF NM110REC TO TAG-NBR-ERROR
05904	023490	MOVE TAG-NUMBER-ERROR TO RPT2-ERR-MSG
05905	023500	PERFORM 179-BUILD-MASTER-ERROR.
05906	023510	IF TAG-NUMBR-CNTR NOT EQUAL ZERO
05907	023520	PERFORM 158C-SEARCH-TAG-NUMBER-TABLE VARYING
05908	023530	TAG-SUBSCR FROM 1 BY 1 UNTIL (TAG-SUBSCR
05909	023540	GREATER TAG-NUMBR-CNTR OR TAG-MATCHED)
05910	023550	ELSE
05911	023560	MOVE 1 TO TAG-SUBSCR
05912	023570	MOVE TAG-NUMBER OF NM110REC TO TAG-RECAPT-TAG-NUMBR (1)
05913	023580	IF TAG-MATCHED
05914	023590	MOVE TURN-OFF TO TAG-MATCHED-SM
05915	023600	ABENDS-IF MORE THAN 600-RECAPTURES
05916	023610	ADDED 1/84 BY P. CRIDER
05917	023620**	ABENDS-IF MORE THAN 3000-RECAPTURES
05918	023630**	ABENDS-IF MORE THAN 3000-RECAPTURES
05919	023640**	CHANGED 04/03/84 BY EFF
05920	023650**	ELSE
05921	023660**	IF TAG-NUMBR-CNTR 3000
05922	023670**	DISPLAY 'RECAPTURES EXCEED 3000'
05923	023680	ADD 1 TO CAUSE-AREND
05924	023690	ELSE
05925	023700	ADD 1 TO TAG-NUMBR-CNTR
05926	023710	MOVE TAG-NUMBER OF NM110REC TO
05927	023720	TAG-RECAPT-TAG-NUMBR (TAG-NUMBR-CNTR)
05928	023730	7/14/83 PARA 7 9783
05929	023740	DEBUG 9783 LRL
05930	023750	IF SEQUENCE-NUMBER OF NM110REC EQUAL '8299991' OR
05931	023760*	SEQUENCE-NUMBER OF NM110REC EQUAL '8299994'
05932	023770*	DISPLAY 'DEBUG-W' * SEQUENCE-NUMBER OF NM110REC *
05933	023780*	SAVE-TAG-RECAPT-TAG1 *
05934	023790*	
05935	023800*	
05936	023810*	
05937	023820*	

HEX ADDRESS OF VERBS

10.43.12 APR 3, 1984

1.20 NM100

Address	Code	Instruction	Hex Address
05938	023830*	SAVE-TAG-RECAP-TAG2	23380000
05939	023840*	SAVE-SPE-TAG1	23390000
05940	023850*	*****	23400000
05941	023860*	*****	23400000
05942	023870*	ADDED BY EFF 03/23/84	23400000
05943	023880	IF SPECIES-FOUND	
05944	023890*	END-OF-ADDITION BY EFF	
05945	023903*		23400000
05946	023910	IF SAVE-TAG-RECAP-TAG1 EQUAL SPACES AND	23410000
05947	023920	(TAG-TYPE OF NM110REC EQUAL SAVE-SPE-TAG1 OR	23420000
05948	023930	TAG-TYPE OF NM110REC EQUAL SAVE-SPE-TAG2)	23430000
05949	023940	MOVE TAG-TYPE OF NM110REC TO SAVE-TAG-RECAP-TAG1	23440000
05950	023950	ADD I TO SAVE-TAG-RECAP-TAG1-CNTR	23450000
05951	023960	ELSE	23460000
05952	023970	IF SAVE-TAG-RECAP-TAG1 EQUAL TAG-TYPE OF NM110REC	23470000
05953	023987	ADD I TO SAVE-TAG-RECAP-TAG1-CNTR	23480000
05954	023990	ELSE	23490000
05955	024000	IF SAVE-TAG-RECAP-TAG2 EQUAL SPACES AND	23500000
05956	024010	(TAG-TYPE OF NM110REC EQUAL SAVE-SPE-TAG1 OR	23510000
05957	024020	TAG-TYPE OF NM110REC EQUAL SAVE-SPE-TAG2)	23520000
05958	024030	MOVE TAG-TYPE OF NM110REC TO	23530000
05959	024040	SAVE-TAG-RECAP-TAG2	23540000
05960	024050	ADD I TO SAVE-TAG-RECAP-TAG2-CNTR	23550000
05961	024060	ELSE	23560000
05962	024070	IF SAVE-TAG-RECAP-TAG2 EQUAL TAG-TYPE	23570000
05963	024080	OF NM110REC	23580000
05964	024097	ADD I TO SAVE-TAG-RECAP-TAG2-CNTR	23590000
05965	024100	ELSE	23600000
05966	024110	MOVE TURN-CN TO EDIT-ERROR-SH	23610000
05967	024120	MOVE TAG-TYPE OF NM110REC TO ERR-TAG-TYPE	23620000
05968	024130	MOVE TAG-TYPE-ERRR TO RPT2-ERR-MSG	23630000
05969	024147	PERFORM I79-BUILD-MASTER-ERROR.	23640000
05970	024150*		20880000
05971	024160*	EDIT-ADDED-2794-BY-EFF	20820000
05972	024170	IF DIST-TRAVELED OF NM110REC NOT = SPACES	20830000
05973	024187	AND CAPTURE-LOG OF NM110REC = SPACES	20840000
05974	024190	MOVE TURN-CN TO EDIT-ERROR-SH	20850000
05975	024207	MOVE DIST-TRAVELED OF NM110REC TO ERR-DISTANCE-TRAVELED	20860000
05976	024210	MOVE DIST-TRAVELED-ERR TO RPT2-ERR-MSG	20860000
05977	024220	PERFORM I79-BUILD-MASTER-ERROR.	20880000
05978	024230*	END OF ADDITION EFF	23650000
05979	024240*		23660000
05980	024250*		21670000
05981	024260	158A-DATE-ROUTINE.	
05982	024270	MOVE ZEROS TO	23680000
05983	024280		23690000
05984	024297		23700000
05985	024307	MOVE DATECNVT TO DATE-PROGRAM.	23710000
05986	024313	CALL DATE-PROGRAM USING DATECALC-LINKAGE.	23720000
05987	024320		23730000
05988	024330*		23740000
05989	024340-1598	COMPARE-DATES-	23750000
05990	024350	MOVE CAPTURE-DATE-R TO CNVT-YM06.	23760000
05991	024360	PERFORM 158A-DATE-ROUTINE.	23770000

HEX ADDRESS OF VERBS

10-43.12 APR 3, 1984

NW100

121

Address	Code	Description	Hex Address
05992	024370	MOVE CNVT-SDN TO SDN-RECAPT-DATE.	23780000
05993	024380	MOVE SAVE-ENVIR-DATE-R TO CNVT-YMD6.	23790000
05994	024390	PERFORM 158A-DATC-ROUTINE.	23800000
05995	024400	MOVE CNVT-SDN TO SDN-ENVIR-DATE.	23810000
05996	024410	*****	23820000
05997	024420	*****	23830000
05998	024430	*****	23840000
05999	024440	*****	23850000
06000	024450	*****	23860000
06001	024460	*****	23870000
06002	024470	*****	23880000
06003	024480	*****	23890000
06004	024490	*****	23900000
06005	024500	*****	23910000
06006	024510	*****	23920000
06007	024520	*****	23930000
06008	024530	*****	23940000
06009	024540	*****	23950000
06010	024550	*****	23960000
06011	024560	*****	23970000
06012	024570	*****	23980000
06013	024580	*****	23990000
06014	024590	*****	24000000
06015	024600	*****	24010000
06016	024610	*****	24020000
06017	024620	*****	24030000
06018	024630	*****	24040000
06019	024640	*****	24050000
06020	024650	*****	24060000
06021	024660	*****	24070000
06022	024670	*****	24080000
06023	024680	*****	24090000
06024	024690	*****	24100000
06025	024700	*****	24110000
06026	024710	*****	24120000
06027	024720	*****	24130000
06028	024730	*****	24140000
06029	024740	*****	24150000
06030	024750	*****	24160000
06031	024760	*****	24170000
06032	024770	*****	24180000
06033	024780	*****	24190000
06034	024790	*****	24200000
06035	024800	*****	24210000
06036	024810	*****	24220000
06037	024820	*****	24230000
06038	024830	*****	24240000
06039	024840	*****	24250000
06040	024850	*****	24260000
06041	024860	*****	24270000
06042	024870	*****	24280000
06043	024880	*****	24290000
06044	024890	*****	24300000
06045	024900	*****	24310000

HEX ADDRESS OF VERBS

10-43.12 APR 3.1984

NM100

122

Line	Code	Address	Description	Hex Address
1	06046	024910	MOVE-TAG-NUMBER-REPEATED TO RPT2-ERR-MSG	24320000
2	06047	024920	PERFORM 179-BUILD-MASTER-ERROR.	24330000
3	06048	024930*		24340000
4	06049	024940-1580	ADJUST-ZERO-DATE.	24350000
5	06050	024950	MOVE RECAPTURE-DATE-R TO ADJUST-ZERO-DATE.	24360000
6	06051	024960	IF ZERO-MM EQUAL ZERO	24370000
7	06052	024970	MOVE 01 TO ZERO-MM.	24380000
8	06053	024980	IF ZERO-DD EQUAL ZERO	24390000
9	06054	024990	MOVE 01 TO ZERO-DD.	24400000
10	06055	025000	MOVE ADJUST-ZERO-DATE TO CNVT-YMD6.	24410000
11	06056	025010	PERFORM 158A-DATE-ROUTINE.	24420000
12	06057	025020	MOVE CNVT-SON TO SDN-RECAPT-DATE.	24430000
13	06058	025030	IF-SDN-ENVIR-DATE GREATER SDN-RECAPT-DATE	24440000
14	06059	025040	MOVE TURN-ON TO EDIT-FRROR-SW	24450000
15	06060	025050	MOVE RECATURE-DATE-R TO ERR-RECAPT-DATE	24460000
16	06061	025060	MOVE SAVE-ENVIR-DATE-R TO ERR-RECAPT-DATE	24470000
17	06062	025070	MOVE DATE-RECL-REC9-ERROR TO RPT2-ERR-MSG	24480000
18	06063	025080	PERFORM 179-BUILD-MASTER-ERROR.	24490000
19	06064	025090	MOVE 99999999 TO SDN-RECAPT-DATE.	24500000
20	06065	025100*		24510000
21	06066	025110	160-EQUAL-DELETE-TRANS.	24520000
22	06067	025120*		24530000
23	06068	025130*	MASTER, NOT TRANS IS SOURCE FOR DELETE LINE IN RPT 1.	24540000
24	06069	025140*		24550000
25	06070	025150	MOVE REC-DEL TO RPT1-MESSAGE.	24560000
26	06071	025160	ADD 1 TO NBR-RECS-DEL.	24570000
27	06072	025170	PERFORM 135-BUILD-RPT1.	24580000
28	06073	025180	MOVE TURN-ON TO WRITE-RPT1-SW.	24590000
29	06074	025190	MOVE TURN-ON TO READ-MSTR-SW.	24600000
30	06075	025200*		24610000
31	06076	025210	170-MASTER-LOW.	24620000
32	06077	025220	MOVE TURN-ON TO READ-MSTR-SW.	24630000
33	06078	025230	MOVE TURN-ON TO WRITE-NEMMSTR-SW.	24640000
34	06079	025240*		24650000
35	06080	025250	177-BUILD-TRANS-ERROR.	24660000
36	06081	025260	MOVE RECORD-TYPE OF NM100REC TO RPT1-REC-TYPE.	24670000
37	06082	025270	MOVE SEQUENCE-NUMBER-OF-NM100REC TO RPT1-SEQ-NBR.	24680000
38	06083	025280	MOVE REPLICATE-NUMBER-OF-NM100REC TO RPT1-REP-NBR.	24690000
39	06084	025290	MOVE SPECIES-CODE OF NM100REC TO RPT1-SPECIES-CODE.	24700000
40	06085	025300	MOVE SPECIES-STATUS OF NM100REC TO RPT1-SPECIES-STATUS.	24710000
41	06086	025310	MOVE LINE-NUMBER-OF-NM100REC TO RPT1-LINE-NBR.	24720000
42	06087	025320	IF INDIV-RECORD-OR SPECIES-RECORD OR ANNULUS-RECORD	24730000
43	06088	025330	MOVE DASH TO RPT1-DASH	24740000
44	06089	025340	ELSE	24750000
45	06090	025350	MOVE SPACES TO RPT1-DASH.	24760000
46	06091	025360	ADD 1 TO REC-REJECT-TOT.	24770000
47	06092	025370	PERFORM 200-WRITE-RPT1-UPD.	24780000
48	06093	025380*		24790000
49	06094	025390	179-BUILD-MASTER-ERROR.	24800000
50	06095	025400	IF DETAIL-LINE-WRITTEN	24810000
51	06096	025410	NEXT SENTENCE	24820000
52	06097	025420	ELSE	24830000
53	06098	025430	MOVE RECORD-TYPE OF NM100REC TO RPT2-REC-TYPE	24840000
54	06099	025440	MOVE SEQUENCE-NUMBER OF NM100REC TO RPT2-SEQ-NBR	24850000
55				
56				
57				
58				
59				
60				
61				
62				
63				
64				
65				
66				
67				
68				
69				
70				
71				
72				
73				
74				
75				
76				
77				
78				
79				
80				
81				
82				
83				
84				
85				
86				
87				
88				
89				
90				
91				
92				
93				
94				
95				
96				
97				

HEX ADDRESS OF VERBS

10.43.12 APR 3, 1984

NM100

123

Address	Code	Description	Hex Address
06100	025450	MOVE-REPLICATE-NUMBER OF NM100REC TO RPT2-REP-NBR	02DF82
06101	025460	MOVE SPECIES-CODE OF NM100REC TO RPT2-SPECIES-CODE	02DF88
06102	025470	MOVE SPECIES-STATUS OF NM100REC TO RPT2-SPECIES-STATUS	02DF8E
06103	025480	MOVE LINE-NUMBER OF NM100REC TO RPT2-LINE-NBR	02DF94
06104	025490	IF MSTR-ANNUALUS-RECORD OR MSTR-INDIV-RECORD OR	02DF9A
06105	025500	MSTR-SPECIES-RECORD	
06106	025510	MOVE DASH TO RPT2-DASH	02DFB2
06107	025520	ELSE	
06108	025530	MOVE SPACES TO RPT2-DASH.	02DFBC
06109	025540	PERFORM 210-WRITE-RPT2-ERR.	02DFC0
06110	025550*		
06111	025560	210-WRITE-RPT1-UPD.	
06112	025570	MOVE TURN-OFF TO WRITE-RPT1-SW.	02DFE2
06113	025580	IF R1-LINE-CNT GREATER THAN 58	02DFE8
06114	025590	PERFORM 202-WRITE-RPT1-UPD-HEADING.	02DFE2
06115	025600	MOVE TR-DATA TO RPT1-DATA.	02E00A
06116	025610	WRITE UPD-PR1-LINE FROM REPORT1-DETAIL-LINE	02E010
06117	025620	AFTER POSITIONING 2.	
06118	025630	ADD 2 TO R1-LINE-CNT.	02E05A
06119	025640*		
06120	025650	202-WRITE-RPT1-UPD-HEADING.	02E06A
06121	025660	ADD 1 TO R1-PAGE-CNT.	02E074
06122	025670	MOVE R1-PAGE-CNT TO R1-PAGE-NO.	02E08C
06123	025680	WRITE UPD-PR1-LINE FROM REPORT1-HEAD1 AFTER POSITIONING 0.	02E0D2
06124	025690	WRITE UPD-PR1-LINE FROM REPORT1-HEAD2 AFTER POSITIONING 2.	02E118
06125	025700	WRITE UPD-PR1-LINE FROM REPORT1-COL-HEAD1	
06126	025710	AFTER POSITIONING 2.	
06127	025720	WRITE UPD-PR1-LINE FROM REPORT1-COL-HEAD2	02E15E
06128	025730	AFTER POSITIONING 1.	
06129	025740	MOVE 5 TO R1-LINE-CNT.	02E1A4
06130	025750*		
06131	025760	210-WRITE-RPT2-ERR.	
06132	025770	IF R2-LINE-CNT GREATER THAN 58	02E1B0
06133	025780	PERFORM 212-WRITE-RPT2-ERR-HEADING	02E1BA
06134	025790	MOVE TURN-ON TO DETAIL-LINE-WRITTEN-SW	02E1D2
06135	025800	WRITE ERR-PR1-LINE FROM REPORT2-DETAIL-LINE	02E1D8
06136	025810	AFTER POSITIONING 2	
06137	025820	ADD 2 TO R2-LINE-CNT	02E222
06138	025830	ELSE	
06139	025840	IF DETAIL-LINE-WRITTEN	02E230
06140	025850	MOVE RPT2-ERR-MSG TO LINE2-ERR-MSG	02E238
06141	025860	WRITE ERR-PR1-LINE FROM RPT2-DETAIL-LINE2	02E23E
06142	025870	AFTER POSITIONING 1	
06143	025880	ADD 1 TO R2-LINE-CNT	02E284
06144	025890	ELSE	
06145	025900	MOVE TURN-ON TO DETAIL-LINE-WRITTEN-SW	02E292
06146	025910	WRITE ERR-PR1-LINE FROM REPORT2-DETAIL-LINE	02E298
06147	025920	AFTER POSITIONING 2	
06148	025930	ADD 2 TO R2-LINE-CNT.	02E2DE
06149	025940*		
06150	025950	212-WRITE-RPT2-ERR-HEADING.	02E2EE
06151	025960	ADD 1 TO R2-PAGE-CNT.	02E2F8
06152	025970	MOVE R2-PAGE-CNT TO R2-PAGE-NO.	02E310
06153	025980	WRITE ERR-PR1-LINE FROM REPORT2-HEAD1 AFTER POSITIONING 0.	

HEX ADDRESS OF VERBS

10-63-12 APR 3-1984

MI100

124

Line	Address	Code	Description	Hex Address
1	06154	025090	WRITE ERR-PRY-LINE FROM REPORT2-HEAD2 AFTER POSITIONING 2.	25400000
2	06155	026000	WRITE ERR-PRY-LINE FROM REPORT2-COL-HEAD1	25410000
3	06156	026010	AFTER POSITIONING 2.	25420000
4	06157	026020	WRITE ERR-PRY-LINE FROM REPORT2-COL-HEAD2	25430000
5	06158	026030	AFTER POSITIONING 1.	25440000
6	06159	026040	MOVE 5 TO R2-LINE-CNT.	25450000
7	06160	026050	*	25460000
8	06161	026060	220-WRITF-NEWMSTR-REC.	25470000
9	06162	026070	*****	25480000
10	06163	026080	DEBUG 3/83 LRL	25490000
11	06164	026090	IF SEQUENCE-NUMBER OF NMI10REC EQUAL '8299996' AND	25500000
12	06165	026100	SPECIES-GROUP OF NMI10REC EQUAL '87470202010'	25510000
13	06166	026110	READY TRACE	25520000
14	06167	026120	ELSE	25530000
15	06168	026130	IF SEQUENCE-NUMBER OF NMI10REC EQUAL '8299996' AND	25540000
16	06169	026140	SPECIES-GROUP OF NMI10REC EQUAL '88354407010'	25550000
17	06170	026150	RESET TRACE.	25560000
18	06171	026160	*****	25570000
19	06172	026170	PERFORM 240-RELATIONAL-EDITS.	25580000
20	06173	026180	PERFORM 258-STRUCTURAL-TEST.	25590000
21	06174	026190	IF MASTER-ACTION	25600000
22	06175	026200	MOVE TURN-OFF TO MASTER-ACTION-SW	25610000
23	06176	026210	PERFORM 140-EDIT-ROUTINE	25620000
24	06177	026220	*****	25630000
25	06178	026230	DEBUG CHECK 2/83 LRL	25640000
26	06179	026240	DISPLAY 'DEBUG-K', RECORD-TYPE OF NMI10REC	25650000
27	06180	026250	SPECIES-GROUP OF NMI10REC	25660000
28	06181	026260	*****	25670000
29	06182	026270	LINE-NUMBER OF NMI10REC	25680000
30	06183	026280	IF NOT MSTR-ENVIR-RECORD AND NOT MSTR-REPLIC-RECORD	25690000
31	06184	026290	PERFORM 225-EDIT-SPECIES-GROUP.	25700000
32	06185	026300	PATCH ADDED 3/83 LRL	25710000
33	06186	026310	IF NOT MASTER-ACTION AND MSTR-ANNULUS-RECORD AND	25720000
34	06187	026320	SAVE-INDIV-AGE-STATUS-EQUAL '2'	25730000
35	06188	026330	MOVE SPACES TO SAVE-INDIV-AGE-STATUS.	25740000
36	06189	026340	*****	25750000
37	06190	026350	DEBUG 3/83 LRL	25760000
38	06191	026360	DISPLAY 'DEBUG-H', LAST-LINE-NBR, LINE-NUMBER OF NMI10REC	25770000
39	06192	026370	LAST-SPECIES-GROUP, SPECIES-GROUP OF NMI10REC	25780000
40	06193	026380	*****	25790000
41	06194	026390	MOVE MSTR-CONTROL TO LAST-RECORD-KEY.	25800000
42	06195	026400	MOVE RECORD-TYPE OF NMI10REC TO LAST-REC-TYPE.	25810000
43	06196	026410	MOVE TURN-OFF TO WRITE-NEWMSTR-SW.	25820000
44	06197	026420	WRITE NFMSTR-PEC FROM NMI10REC.	25830000
45	06198	026430	ADD 1 TO NBR-AFTER-UPDATE.	25840000
46	06199	026440	PERFORM 230-SAVE-MASTER-BY-TYPE.	25850000
47	06200	026450	*	25860000
48	06201	026460	225-EDIT-SPECIES-GROUP.	25870000
49	06202	026470	*****	25880000
50	06203	026480	DEBUG CHECK 2/83 LRL	25890000
51	06204	026490	IF SEQUENCE-NUMBER OF NMI10REC EQUAL '7900989' OR	25900000
52	06205	026500	SEQUENCE-NUMBER OF NMI10REC EQUAL '7900990'	25910000
53	06206	026510	DISPLAY 'DEBUG-L', SPECIES-GROUP OF NMI10REC,	25920000
54	06207	026520	LINE-NUMBER OF NMI10REC.	25930000

HEX ADDRESS OF VERBS

10.43.12 APR 3, 1984

125 NM100

Line	Address	Code	Text	Hex Address
1	06208	026530	SEARCH ALL LATIN-NAME-TABLE	25940000
2	06209	026540	AT END PERFORM 227-UNMATCHED-SPECIES-GROUP	25950000
3	06210	026550	WHEN SPECIES-NUMBER (LATIN-INDEX) EQUAL SPECIES-CODE	25960000
4	06211	026567	OF NM110REC	25970000
5	06212	026570	PERFORM 226-VALID-SPECIES-CODE.	25980000
6	06213	026580		25990000
7	06214	026590*		26000000
8	06215	026600	226-VALID-SPECIES-CODE.	26010000
9	06216	026610*	NO TESTS YET (2783) BUT THEY'LL GO HERE EVENTUALLY	26020000
10	06217	026620	EXIT.	26030000
11	06218	026630*		26040000
12	06219	026640	227-UNMATCHED-SPECIES-GROUP.	26050000
13	06220	026650	MOVE TURN-ON TO EDIT-ERROR-SM.	26060000
14	06221	026667	MOVE SPECIES-CODE OF NM110REC TO SPEC-CODE.	26070000
15	06222	026670	MOVE SPECIES-GROUP-NOT-FOUND TO RPT2-ERR-MSG.	26080000
16	06223	026680	PERFORM 179-BUILD-MASTER-ERROR.	26090000
17	06224	026690*		26100000
18	06225	026700	230-SAVE-MASTER-BY-TYPE.	26110000
19	06226	026710	IF-MSTR-ENVIR-RECORD	26120000
20	06227	026720	MOVE NM110REC TO SAVE-ENVIR	26130000
21	06228	026730	ELSE	26140000
22	06229	026740	IF MSTR-REPLIC-RECORD	26150000
23	06230	026757	MOVE NM110REC TO SAVE-REPLIC	26160000
24	06231	026760	ELSE	26170000
25	06232	026770	IF MSTR-SPECIES-RECORD	26180000
26	06233	026780	MOVE NM110REC TO SAVE-SPECIES	26190000
27	06234	026790*	ADDITION BY EFF 03/23/84	
28	06235	026800	MOVE TURN-ON TO SPECIES-FOUND-SM	
29	06236	026810*	FND OF ADDITION BY EFF	
30	06237	026820	ELSE	
31	06238	026830	IF MSTR-INDIV-RECORD	26200000
32	06239	026840	MOVE NM110REC TO SAVE-INDIV	26210000
33	06240	026850	ELSE	26220000
34	06241	026860	IF MSTR-ANNULUS-RECORD	26230000
35	06242	026870	MOVE NM110REC TO SAVE-ANNULUS	26240000
36	06243	026880	ELSE	26250000
37	06244	026899	IF MSTR-TAG-RECAPTURE-RECORD	26260000
38	06245	026900	MOVE NM110REC TO SAVE-TAG-RECAPT.	26270000
39	06246	026910		26280000
40	06247	026920	*****TEMP CHG FOR DEBUG 10/25/82*****	26290000
41	06248	026930	IF SEQUENCE-NUMBER OF NM110REC GREATER THAN *8008506*	26300000
42	06249	026940	RESET TRACE	26310000
43	06250	026950	ADD -1 TO CAUSE-ABEND.	26320000
44	06251	026960	*****TEMP CHG FOR DEBUG 10/25/82*****	26330000
45	06252	026970*		26340000
46	06253	026980	240-RELATIONAL-EDITS.	26350000
47	06254	026990	ON 1	26360000
48	06255	027000	NEXT SENTENCE	26370000
49	06256	027010	ELSE	26380000
50	06257	027020	PERFORM 242-TEST-ENVIR-BREAK.	26390000
51	06258	027030	MOVE TURN-OFF TO DETAIL-LINE-WRITTEN-SM.	26400000
52	06259	027040	IF-MSTR-ENVIR-RECORD	26410000
53	06260	027050	MOVE ENVIR-NUMBER-REPLIC OF NM110REC TO SAVE-NUM-REPS	26420000
54	06261	027060	ELSE	26430000
55				26440000

HEX ADDRESS OF VERBS

10.43.12 APR 3, 1984

NM100

126

Line	Address	Code	Text	Hex Address
1	06262	027070	IF MSTR-REPLIC-RECORD	02E6F8
2	06263	027080	MOVE RP-NUMBER-SPECIES OF NMIIOREC	02E700
3	06264	027090	TO SAVE-NUM-SPECIES	26450000
4	06265	027100	IF SEQUENCE-NUMBER OF NMIIOREC = LAST-SEQ-NBR	26460000
5	06266	027110	ADD 1 TO NUMB-REP-RECS	26470000
6	06267	027120	ELSE	02E70A
7	06268	027130	MOVE 1 TO NUMB-REP-RECS	02E714
8	06269	027140	ELSE	02E72E
9	06270	027150	IF MSTR-SPECIES-RECORD	26520000
10	06271	027160	MOVE SPE-SUBSAMPLE-CNT OF NMIIOREC TO	02E738
11	06272	027170	SAVE-NUM-SUBSAMPLES	02E740
12	06273	027180	MOVE SPE-INDIV-FORMAT-CODE OF NMIIOREC TO	26550000
13	06274	027190	SAVE-SPEC-CODE	02E74A
14	06275	027200	IF SEQUENCE-NUMBER OF NMIIOREC = LAST-SEQ-NBR	26570000
15	06276	027210	AND REPLICATE-NUMBER OF NMIIOREC = LAST-REP-NBR	02E750
16	06277	027220	ADD 1 TO NUMB-SPEC-RECS	26580000
17	06278	027230	ELSE	26590000
18	06279	027240	MOVE 1 TO NUMB-SPEC-RECS	02E764
19	06280	027250	ELSE	26610000
20	06281	027260	IF MSTR-INDIV-RECORD	02E77E
21	06282	027270	PERFORM 249-SAVE-AGE-STATUS	26630000
22	06283	027280	PERFORM 250-SPECIES-CODE-CHECKS	02E788
23	06284	027290	MOVE INDIV-TAG-NBR-R OF NMIIOREC TO SAVE-TAG-NO	02E790
24	06285	027300	MOVE INDIV-LTH-R OF NMIIOREC TO SAVE-INDIV-LTH	02E7AC
25	06286	027310	ELSE	02E7CC
26	06287	027320	IF MSTR-ANNULLUS-RECORD	02E7D6
27	06288	027330	IF SAVE-SPEC-CODE NOT = SPACES	26670000
28	06289	027340	IF NOT SPECIES-CODE-4-OR-7	26680000
29	06290	027350	MOVE TURN-ON TO EDIT-ERROR-SM	02E7E8
30	06291	027360	MOVE SAVE-SPEC-CODE TO ERR-MSG-CODE	02E7F0
31	06292	027370	MOVE INVALID-REC-FOR-CODE TO RPT2-ERR-MSG	02E7F8
32	06293	027380	PERFORM I79-BUILD-MASTER-ERROR.	26730000
33	06294	027390	PERFORM 242-TEST-ENVIR-BREAK.	02E808
34	06295	027400	IF SEQUENCE-NUMBER OF NMIIOREC NOT = LAST-SEQ-NBR	26740000
35	06296	027410	IF LAST-SEQ-NBR NOT = SPACES	26750000
36	06297	027420	PERFORM 243-ENVIR-BREAK	02E814
37	06298	027430	ELSE	02E81A
38	06299	027440	NEXT SENTENCE	26760000
39	06300	027450	PERFORM 244-TEST-REPLIC-BREAK.	26770000
40	06301	027460	PERFORM 245-REPLIC-BREAK.	26780000
41	06302	027470	IF NUMB-REP-RECS NOT = SAVE-NUM-REPS	02E83C
42	06303	027480	MOVE TURN-OFF TO DETAIL-LINE-WRITTEN-SM	26790000
43	06304	027490	MOVE SAVE-NUM-REPS TO ERR-MSG-REPS	02E846
44	06305	027500	DISPLAY-IND. REPS. IN ENVIR. = 1. SAVE-NUM-REPS	26810000
45	06306	027510	AND NO. CALC. REPS. = NUMB-REP-RECS	02E858
46	06307	027520	*** * * * * DERIVG * * * * * ***	26820000
47	06308	027530	MOVE REPS-DONT-MATCH TO RPT2-ERR-MSG	26830000
48	06309	027540	MOVE TURN-ON TO EDIT-ERROR-SM	26840000
49	06310	027550	IF SAVE-ENVIR NOT = SPACES	02E878
50	06311	027560	PERFORM 243-ENVIR-BREAK.	26850000
51	06312	027570	PERFORM 244-TEST-REPLIC-BREAK.	26860000
52	06313	027580	PERFORM 245-REPLIC-BREAK.	26870000
53	06314	027590	IF NUMB-REP-RECS NOT = SAVE-NUM-REPS	26880000
54	06315	027600	MOVE TURN-OFF TO DETAIL-LINE-WRITTEN-SM	02E89A
55			MOVE SAVE-NUM-REPS TO ERR-MSG-REPS	26890000
56			DISPLAY-IND. REPS. IN ENVIR. = 1. SAVE-NUM-REPS	26900000
57			AND NO. CALC. REPS. = NUMB-REP-RECS	02E8B2
58			*** * * * * DERIVG * * * * * ***	26910000
59			MOVE REPS-DONT-MATCH TO RPT2-ERR-MSG	02E8C0
60			MOVE TURN-ON TO EDIT-ERROR-SM	26920000
61			IF SAVE-ENVIR NOT = SPACES	26930000
62			PERFORM 243-ENVIR-BREAK.	26940000
63			PERFORM 244-TEST-REPLIC-BREAK.	26950000
64			PERFORM 245-REPLIC-BREAK.	02E8D8
65			IF NUMB-REP-RECS NOT = SAVE-NUM-REPS	26960000
66			MOVE TURN-OFF TO DETAIL-LINE-WRITTEN-SM	02E8E0
67			MOVE SAVE-NUM-REPS TO ERR-MSG-REPS	26970000
68			DISPLAY-IND. REPS. IN ENVIR. = 1. SAVE-NUM-REPS	26980000
69			AND NO. CALC. REPS. = NUMB-REP-RECS	02E8E4
70			*** * * * * DERIVG * * * * * ***	26990000
71			MOVE REPS-DONT-MATCH TO RPT2-ERR-MSG	26990000
72			MOVE TURN-ON TO EDIT-ERROR-SM	26990000
73			IF SAVE-ENVIR NOT = SPACES	26990000
74			PERFORM 243-ENVIR-BREAK.	26990000
75			PERFORM 244-TEST-REPLIC-BREAK.	26990000
76			PERFORM 245-REPLIC-BREAK.	26990000

127	MI100	10.43.12	APR 3.1984	HEX ADDRESS OF VERBS
1	06316	027610	MOVE NM10REC TO ROLLOUT-AREA	26990000 02E9F6
2	06317	027620	MOVE SAVE-ENVIR TO NM10REC	27000000 02EBFC
3	06318	027630	PERFORM 179-BUILD-MASTER-ERROR	27010000 02E902
4	06319	027640	MOVE-ROLLOUT-AREA TO NM10REC.	27020000 02E91A
5	06320	027650	MOVE ZEROS TO NUMB-REP-RECS, SAVE-NUM-REPS.	27030000 02E920
6	06321	027660	MOVE SPACES TO SAVE-ENVIR.	27040000 02E92C
7	06322	027670*		27050000
8	06323	027680	244-TEST-REPLIC-BREAK.	27060000
9	06324	027690	IF REPLICAT-NUMBER OF NM10REC NOT = LAST-REP-NBR	27070000 02E940
10	06325	027700	IF LAST-REP-NBR NOT = SPACES	27080000 02E94A
11	06326	027710	PERFORM 245-REPLIC-BREAK	27090000 02E95C
12	06327	027720	ELSE	27100000
13	06328	027730	NEXT SENTENCE	27110000
14	06329	027740	ELSE	27120000
15	06330	027750	PERFORM 246-TEST-SPECIES-BREAK.	27130000 02E97C
16	06331	027760*		27140000
17	06332	027770	245-REPLIC-BREAK.	27150000
18	06333	027780	PERFORM 247-SPECIES-BREAK.	27160000 02E99E
19	06334	027790	IF NUMB-SPEC-RECS NOT = SAVE-NUM-SPECIES	27170000 02E986
20	06335	027800	MOVE TURN-OFF TO DETAIL-LINE-WRITTEN-SM	27180000 02E9D0
21	06336	027810	MOVE SAVE-NUM-SPECIES TO ERR-MSG-SPECS	27190000 02E9D6
22	06337	027820	MOVE NUMB-SPEC-RECS TO NUM-SPEC-REC	27200000 02E9DC
23	06338	027830	MOVE SPECIES-DONT-MATCH TO RPT2-ERR-MSG	27210000 02E9E6
24	06339	027840*	** * * * * DEBUG * * * * *	27220000
25	06340	027850*	-DISPLAY-NO-SPECIES= NUMB-SPEC-RECS	27230000
26	06341	027860*	** * * * * * * * * * * * * * * *	27240000
27	06342	027870	MOVE TURN-ON TO EDIT-ERROR-SM	27250000
28	06343	027880	IF SAVE-REPLIC NOT = SPACES	27260000 02E9F2
29	06344	027890	MOVE NM10REC TO ROLLOUT-AREA	27270000 02EA04
30	06345	027900	PERFORM 179-BUILD-MASTER-ERROR	27280000 02EA10
31	06346	027910	MOVE ROLLOUT-AREA TO NM10REC.	27290000 02EA28
32	06347	027920	MOVE ZEROS TO NUMB-SPEC-RECS, SAVE-NUM-SPECIES.	27300000 02EA2E
33	06348	027930	MOVE SPACES TO SAVE-REPLIC.	27310000 02EA3A
34	06349	027940*		27320000
35	06350	027950*		27330000
36	06351	027960	246-TEST-SPECIES-BREAK.	27340000
37	06352	027970*	*****	27350000
38	06353	027980*	DEBUG 1/83 LRL	27360000
39	06354	027990*	IF	27370000
40	06355	028000*	(SEQUENCE-NUMBER OF NM10REC EQUAL '7900333'-OR	27380000
41	06356	028010*	SEQUENCE-NUMBER OF NM10REC EQUAL '7900333')	27390000
42	06357	028020*	DISPLAY 'DEBUG-0' SPECIES-GROUP OF NM10REC ;	27400000
43	06358	028030*	LAST-SPECIES-GROUP ; SAVE-INDIV-AGE-STATUS.	27410000
44	06359	028040*	*****	27420000
45	06360	028050	IF SPECIES-GROUP OF NM10REC NOT = LAST-SPECIES-GROUP	27430000 02EA4E
46	06361	028060	IF LAST-SPECIES-GROUP NOT = SPACES	27440000 02EA58
47	06362	028070	PERFORM 247-SPECIES-BREAK	27450000 02EA6A
48	06363	028080	ELSE	27460000
49	06364	028090	NEXT SENTENCE	27470000
50	06365	028100	ELSE	27480000
51	06366	028110	PERFORM 248-TEST-INDIV-BREAK.	27490000 02EAB8
52	06367	028120*		27500000
53	06368	028130	247-SPECIES-BREAK.	27510000
54	06369	028140	PERFORM 249-INDIV-BREAK.	27520000 02EAB0
55				
56				
57				
58				
59				
60				
61				
62				
63				
64				
65				
66				
67				
68				
69				
70				
71				
72				
73				
74				
75				
76				
77				

HEX ADDRESS OF VERBS

10.43.12 APR 3, 1984

MS100

128

Address	Code	Description	Hex Address
06370	028150	MOVE-TURN-OFF TO DETAIL-LINE-WRITTEN-SM.	27530000
06371	028160	IF (SAVE-NUM-SAMPLES NOT = NUMB-INDIV-RECS)	27540000
06372	028170	AND (SPECIES-CODE-1-OR-2 OR	27550000
06373	028180	SPECIES-CODE-4-OR-7)	27560000
06374	028190	MOVE SAVE-NUM-SAMPLES TO ERR-MSG-SUBSAM	27570000
06375	028200	MOVE NUMB-INDIV-RECS TO NUMB-INDIV-RECK	27580000
06376	028210	MOVE SUBSAMPLES-DECT-MATCH TO RPT2-ERR-MSG	27590000
06377	028220	*** DEBUG ***	27600000
06378	028230	*** DEBUG ***	27610000
06379	028240	*** DEBUG ***	27620000
06380	028250	*** DEBUG ***	27630000
06381	028260	*** DEBUG ***	27640000
06382	028270	*** DEBUG ***	27650000
06383	028280	*** DEBUG ***	02EB22
06384	028290	*** DEBUG ***	02EB28
06385	028300	*** DEBUG ***	02EB3A
06386	028310	*** DEBUG ***	02EB40
06387	028320	*** DEBUG ***	02ED46
06388	028330	*** DEBUG ***	02EB5E
06389	028340	*** DEBUG ***	02EB78
06390	028350	*** DEBUG ***	02EB80
06391	028360	*** DEBUG ***	02EB86
06392	028370	*** DEBUG ***	02EB8C
06393	028380	*** DEBUG ***	02EB9E
06394	028390	*** DEBUG ***	02EBA4
06395	028400	*** DEBUG ***	02EBAA
06396	028410	*** DEBUG ***	02EBC2
06397	028420	*** DEBUG ***	02EBC2
06398	028430	*** DEBUG ***	02EBC2
06399	028440	*** DEBUG ***	02EBC2
06400	028450	*** DEBUG ***	02EBC2
06401	028460	*** DEBUG ***	02EBC2
06402	028470	*** DEBUG ***	02EBC2
06403	028480	*** DEBUG ***	02EBC2
06404	028490	*** DEBUG ***	02EBC2
06405	028500	*** DEBUG ***	02EBC2
06406	028510	*** DEBUG ***	02EBC2
06407	028520	*** DEBUG ***	02EBC2
06408	028530	*** DEBUG ***	02EBC2
06409	028540	*** DEBUG ***	02EBC2
06410	028550	*** DEBUG ***	02EBC2
06411	028560	*** DEBUG ***	02EBC2
06412	028570	*** DEBUG ***	02EBC2
06413	028580	*** DEBUG ***	02EBC2
06414	028590	*** DEBUG ***	02EBC2
06415	028600	*** DEBUG ***	02EBC2
06416	028610	*** DEBUG ***	02EBC2
06417	028620	*** DEBUG ***	02EBC2
06418	028630	*** DEBUG ***	02EBC2
06419	028640	*** DEBUG ***	02EBC2
06420	028650	*** DEBUG ***	02EBC2
06421	028660	*** DEBUG ***	02EBC2
06422	028670	*** DEBUG ***	02EBC2
06423	028680	*** DEBUG ***	02EBC2

HEX ADDRESS OF VERB8

10-43-12 APR 3, 1984

129 NM100

Line	Address	Operation	Hex Address
1	06424	MOVE TURN-ON TO EDIT-ERROR-SW	28070000
2	06425	MOVE SAVE-TAG-RECAP-TAG1-CNTR TO ERR-TAG-CNTR	28080000
3	06426	MOVE SAVE-SPE-NUMBR-TAGGED1 TO ERR-SPE-CNTR	28090000
4	06427	MOVE SAVE-SPE-TAG1 TO ERR-TAG-TYPX	28100000
5	06428	MOVE TAG-AND-SPE-CNT-ERROR TO RPT2-ERR-MSG	28110000
6	06429	MOVE NH10REC TO ROLLOUT-AREA	28120000
7	06430	MOVE SAVE-SPECIES TO NH10REC	28130000
8	06431	PERFORM I79-BUILD-MASTER-ERROR	28140000
9	06432	MOVE ROLLOUT-AREA TO NH10REC	28150000
10	06433	IF SAVE-SPE-NUMBR-TAGGED2-R NUMERIC	28160000
11	06434	IF SAVE-TAG-RECAP-TAG1 EQUAL SAVE-SPE-TAG2 AND	28170000
12	06435	SAVE-TAG-RECAP-TAG1-CNTR GREATER	28180000
13	06436	SAVE-SPE-NUMBR-TAGGED2-R	28190000
14	06437	MOVE TURN-ON TO EDIT-ERROR-SW	28200000
15	06438	MOVE SAVE-TAG-RECAP-TAG1-CNTR TO ERR-TAG-CNTR	28210000
16	06439	MOVE SAVE-SPE-NUMBR-TAGGED2 TO ERR-SPE-CNTR	28220000
17	06440	MOVE SAVE-SPE-TAG2 TO ERR-TAG-TYPX	28230000
18	06441	MOVE TAG-AND-SPE-CNT-ERROR TO RPT2-ERR-MSG	28240000
19	06442	MOVE NH10REC TO ROLLOUT-AREA	28250000
20	06443	MOVE SAVE-SPECIES TO NH10REC	28260000
21	06444	PERFORM I79-BUILD-MASTER-ERROR	28270000
22	06445	MOVE ROLLOUT-AREA TO NH10REC	28280000
23	06446	IF SAVE-SPE-NUMBR-TAGGED1-R NUMERIC	28290000
24	06447	IF SAVE-TAG-RECAP-TAG2 EQUAL SAVE-SPE-TAG1 AND	28300000
25	06448	SAVE-TAG-RECAP-TAG2-CNTR GREATER	28310000
26	06449	SAVE-SPE-NUMBR-TAGGED1-R	28320000
27	06450	MOVE TURN-ON TO EDIT-ERROR-SW	28330000
28	06451	MOVE SAVE-TAG-RECAP-TAG2-CNTR TO ERR-TAG-CNTR	28340000
29	06452	MOVE SAVE-SPE-NUMBR-TAGGED1 TO ERR-SPE-CNTR	28350000
30	06453	MOVE SAVE-SPE-TAG1 TO ERR-TAG-TYPX	28360000
31	06454	MOVE TAG-AND-SPE-CNT-ERROR TO RPT2-ERR-MSG	28370000
32	06455	MOVE NH10REC TO ROLLOUT-AREA	28380000
33	06456	MOVE SAVE-SPECIES TO NH10REC	28390000
34	06457	PERFORM I79-BUILD-MASTER-ERROR	28400000
35	06458	MOVE ROLLOUT-AREA TO NH10REC	28410000
36	06459	IF SAVE-SPE-NUMBR-TAGGED2-R NUMERIC	28420000
37	06460	IF SAVE-TAG-RECAP-TAG2 EQUAL SAVE-SPE-TAG2 AND	28430000
38	06461	SAVE-TAG-RECAP-TAG2-CNTR GREATER	28440000
39	06462	SAVE-SPE-NUMBR-TAGGED2-R	28450000
40	06463	MOVE TURN-ON TO EDIT-ERROR-SW	28460000
41	06464	MOVE SAVE-TAG-RECAP-TAG2-CNTR TO ERR-TAG-CNTR	28470000
42	06465	MOVE SAVE-SPE-NUMBR-TAGGED2 TO ERR-SPE-CNTR	28480000
43	06466	MOVE SAVE-SPE-TAG2 TO ERR-TAG-TYPX	28490000
44	06467	MOVE TAG-AND-SPE-CNT-ERROR TO RPT2-ERR-MSG	28500000
45	06468	MOVE NH10REC TO ROLLOUT-AREA	28510000
46	06469	MOVE SAVE-SPECIES TO NH10REC	28520000
47	06470	PERFORM I79-BUILD-MASTER-ERROR	28530000
48	06471	MOVE ROLLOUT-AREA TO NH10REC	28540000
49	06472	MOVE ZEROS TO SAVE-TAG-RECAP-TAG1-CNTR,	28550000
50	06473	SAVE-TAG-RECAP-TAG2-CNTR.	28560000
51	06474	MOVE SPACES TO SAVE-TAG-RECAP-TAG1,	28570000
52	06475	SAVE-TAG-RECAP-TAG2.	28580000
53	06476	MOVE SPACES TO SAVE-SPEC-CODE.	28590000
54	06477	MOVE ZEROS TO SAVE-NUM-SUBSAMPLES, NUMB-INDIV-RECS,	28600000
55			
56			
57			
58			
59			
60			
61			
62			
63			
64			
65			
66			
67			
68			
69			
70			
71			
72			
73			
74			
75			
76			
77			
78			
79			
80			

HEX ADDRESS OF VERBS

10.43.12 APR 3, 1984

M100

130

Address	Code	Description	Hex Address
06470	029230	SAVE-INDIV-LTH.	28610000
06479	029240	MOVE SPACES TO SAVE-SPECIES.	28620000
06480	029250	PERFORM 247B-PAD-TAG-NUMBER-TABLE VARYING TAG-SUBSCR FROM 1	28630000
06481	029260	BY 1-UNTIL TAG-SUBSCR GREATER TAG-NUMBR-CNTR.	28640000
06482	029270	MOVE ZEROS TO TAG-NUMBR-CNTR.	28650000
06483	029280	ADDITION BY EFF 03727/R4	28660000
06484	029290	MOVE TURN-OFF TO SPECIES-FOUND-SW.	28670000
06485	029300	END OF ADDITION BY EFF	28680000
06486	029310		28690000
06487	029320	247R-PAD-TAG-NUMBER-TABLE.	28700000
06488	029330	MOVE SPACES TO TAG-RECAPT-TAG-NUMBR (TAG-SUBSCR) .	28710000
06489	029340		28720000
06490	029350		28730000
06491	029360	248-TEST-INDIV-BREAK.	28740000
06492	029370	***** LRL	28750000
06493	029380	IF	28760000
06494	029390	I SEQUENCE-NUMBER OF NMLIOREC EQUAL *7900332* OR	28770000
06495	029400	I SEQUENCE-NUMBER OF NMLIOREC EQUAL *7900333* J	28780000
06496	029410	DISPLAY *DEBUG-B * LAST-LINE-NBR * LINE-NUMBER OF NMLIOREC	28790000
06497	029420	* * SPECIES-GROUP OF NMLIOREC * LAST-SPECIES-GROUP	28800000
06498	029430	* * * SAVE-INDIV-AGE-STATUS * LAST-REC-TYPE * *	28810000
06499	029440	RECORD-KEY OF NMLIOREC.	28820000
06500	029450	*****	28830000
06501	029460	IF LINE-NUMBER OF NMLIOREC NOT = LAST-LINE-NBR	28840000
06502	029470	IF LAST-LINE-NBR NOT = SPACES AND LAST-LINE-NBR	28850000
06503	029480	SAVE-INDIV-AGE-STATUS NOT EQUAL *2*	28860000
06504	029490	NEXT-SENTENCE	28870000
06505	029500	FALSE	28880000
06506	029510	PERFORM 249-INDIV-BREAK.	28890000
06507	029520		28900000
06508	029530		28910000
06509	029540	249-INDIV-BREAK.	28920000
06510	029550	***** LRL	28930000
06511	029560	IF	28940000
06512	029570	SEQUENCE-NUMBER OF NMLIOREC EQUAL *8299996*	28950000
06513	029580	DISPLAY *DEBUG-C * SAVE-INDIV-AGE-STATUS *	28960000
06514	029590	SPECIES-GROUP OF NMLIOREC * LAST-SPECIES-GROUP	28970000
06515	029600	* * SEQUENCE-NUMBER OF NMLIOREC *	28980000
06516	029610	SAVE-SPEC-GMPE * OCCURRENCE-CODE-3 *	28990000
06517	029620	*****	29000000
06518	029630	ADDED 4/83 LRL - IF A CODE3 RECORD DOES NOT HAVE TWO	29010000
06519	029640	FOLLOWING RECORDS - TRAPPED HERE & ERROR MSG PRINTED	29020000
06520	029650	IF LAST-SPECIES-GROUP NOT EQUAL SPACES AND SPECIES-CODE-3	29030000
06521	029660	AND OCCURRENCE-CODE-3 EQUAL 1	29040000
06522	029670	MOVE TURN-ON TO EDIT-ERROR-SW	29050000
06523	029680	MOVE MISSING-CODE3-NMNR2 TO RPT2-ERR-MSG	29060000
06524	029690	MOVE NMLIOREC TO ROLLOUT-AREA	29070000
06525	029700	MOVE SAVE-INDIV TO NMLIOREC	29080000
06526	029710	PERFORM 179-BUILD-MASTER-ERROR	29090000
06527	029720	MOVE ROLLOUT-AREA TO NMLIOREC.	29100000
06528	029730		29110000
06529	029740		29120000
06530	029750	IF SAVE-INDIV-AGE-STATUS NOT = SPACES	29130000
06531	029760	MOVE TURN-OFF TO DETAIL-LINE-WRITTEN-SW	29140000

HEX ADDRESS OF VERBS

10-43.12 APR 3,1984

NM100

131

Address	Code	Text	Hex Address
06532	029770	MOVE TURN-ON TO EDIT-ERROR-SW	29120000 02EF44
06533	029780	MOVE MISSING-ANULUS TO RPT2-ERR-MSG	29130000 02EF50
06534	029790	MOVE TURN-ON TO EDIT-ERROR-SW	29140000 02EF56
06535	029800	MOVE SPACES TO SAVE-INDIV-AGE-STATUS	29150000 02EF5C
06536	029810	IF SAVE-INDIV NOT = SPACES	29160000 02EF60
06537	029820	MOVE NMILOREC TO ROLLOUT-AREA	29170000 02EF72
06538	029830	MOVE SAVE-INDIV TO NMILOREC	29180000 02EF78
06539	029840	PERFORM 179-BUILD-MASTER-ERROR	29190000 02EF7E
06540	029850	MOVE ROLLOUT-AREA TO NMILOREC	29200000 02EF9A
06541	029860	MOVE SPACES TO SAVE-INDIV	29210000 02EFA0
06542	029870	MOVE ZEROS TO OCCURRENCE-CODE-3	29220000 02EFAA
06543	029880*		29230000
06544	029890-249-SAVE-AGE-STATUS		29240000
06545	029900*****		29250000
06546	029910*	DEBUG 1/83 LRL	29260000
06547	029920*	IF	29270000
06548	029930*	(SEQUENCE-NUMBER OF NMILOREC EQUAL '7900332' OR	29280000
06549	029940*	SEQUENCE-NUMBER OF NMILOREC EQUAL '7900333')	29290000
06550	029950*	DISPLAY 'DEBUG-E ' SPECIES-GROUP OF NMILOREC	29300000
06551	029960*	LAST-SPECIES-GROUP * * LAST-LINE-NBR * *	29310000
06552	029970*	LINE-NUMBER OF NMILOREC	29320000
06553	029980*****		29330000
06554	029990	IF AGE-STATUS-2	02EFBA
06555	030000	MOVE INDIV-AGE-STATUS OF NMILOREC TO	02EFC2
06556	030010	SAVE-INDIV-AGE-STATUS	
06557	030020*		29360000
06558	030030	250-SPECIES-CODE-CHECKS	29370000
06559	030040	IF SAVE-SPECIES-CODE NOT = SPACES	29380000
06560	030050	IF SPECIES-CODE-0 OR SPECIES-CODE-5	02EFCE
06561	030060	MOVE TURN-ON TO EDIT-ERROR-SW	02EFD6
06562	030070	MOVE SAVE-SPECIES-CODE TO ERR-MSG-CODE	02EFE6
06563	030080	MOVE INVALID-REC-FOR-CODE TO RPT2-ERR-MSG	02EFF2
06564	030090	PERFORM 179-BUILD-MASTER-ERROR	02EFF8
06565	030100	ELSE	29450000
06566	030110	IF SPECIES-CODE-1-OR-2	02F01C
06567	030120	ADD INDIV-CNT-R OF NMILOREC TO NUMB-INDIV-RECS	02F02C
06568	030130	IF INDIV-DETAILS OF NMILOREC NOT EQUAL SPACES	02F048
06569	030140	MOVE TURN-ON TO EDIT-ERROR-SW	29480000
06570	030150	MOVE INVALID-INDIV-FORMAT	29490000
06571	030160	TO RPT2-ERR-MSG	29510000
06572	030170	PERFORM 179-BUILD-MASTER-ERROR	02F060
06573	030180	ELSE	02F066
06574	030190	NEXT-SENTENCE	
06575	030200	ELSE	29550000
06576	030210	IF SPECIES-CODE-3	29560000
06577	030220	PERFORM-251-EDIT-INDIV-SC-3	02F08A
06578	030230	ELSE	02F092
06579	030240	IF SPECIES-CODE-4-OR-7	29580000
06580	030250	ADD INDIV-CNT-R OF NMILOREC TO NUMB-INDIV-RECS	02F0B2
06581	030260	IF INDIV-DETAILS OF NMILOREC NOT = SPACES	02F0C2
06582	030270	MOVE TURN-ON TO CODE4-DATA-FOUND-SW	02F0DE
06583	030280	ELSE	02F0F0
06584	030290	NEXT SENTENCE	29630000
06585	030300	ELSE	29640000
			29650000

HEX ADDRESS OF VERBS

13? NW100 10.43.12 APR 3, 1984

Address	Code	Hex Address	Verbs
06586	030310	02F0FA	IF SPECIES-CODE=6
06587	030320	02F102	PERFORM 254-EDIT-INDIV-SC-6.
06588	030330		** * * * * DEBUG * * * * *
06589	030340		-DISPLAY-CALC.NO.INDIV = 1-NUMB-INDIV-RECS.
06590	030350		** * * * * * * * * * * * * * * *
06591	030360		** * * * * * * * * * * * * * * *
06592	030370		251-EDIT-INDIV-SC-3.
06593	030380		IF SEQUENCE-NUMBER OF NMLIOREC = LAST-SEQ-NBR AND
06594	030390		REPLICATE-NUMBER OF NMLIOREC = LAST-REP-NBR AND
06595	030400		SPECIES-GROUP OF NMLIOREC = LAST-SPECIES-GROUP AND
06596	030410		RECORD-TYPE OF NMLIOREC = LAST-REC-TYPE
06597	030420		ADD 1 TO OCCURRENCE-CODE-3
06598	030430		ELSE
06599	030440		MOVE 1 TO OCCURRENCE-CODE-3.
06600	030450		*****
06601	030460		DEBUG-4/83-LRL
06602	030470		IF SEQUENCE-NUMBER OF NMLIOREC EQUAL *8299996*
06603	030480		DISPLAY *DEBUG-11 * OCCURRENCE-CODE-3 *
06604	030490		*****
06605	030500		*****
06606	030510		IF OCCURRENCE-CODE-3 GREATER THAN 2
06607	030520		MOVE TURN-ON TO EDIT-ERROR-SM
06608	030530		MOVE DUPLICATE-INDIV-RECS TO RPT2-ERR-MSG
06609	030540		PERFORM 179-BUILD-MASTER-ERROR
06610	030550		ELSE
06611	030560		IF OCCURRENCE-CODE-3 = 2
06612	030570		PERFORM 252-EDIT-INDIV-2ND-OCCUR
06613	030580		ELSE
06614	030590		IF OCCURRENCE-CODE-3 = 1 AND NOT LINE1
06615	030600		MOVE TURN-ON TO EDIT-ERROR-SM
06616	030610		** * * * * DEBUG * * * * *
06617	030620		*****
06618	030630		*****
06619	030640		*****
06620	030650		*****
06621	030660		*****
06622	030670		*****
06623	030680		*****
06624	030690		*****
06625	030700		*****
06626	030710		*****
06627	030720		*****
06628	030730		*****
06629	030740		*****
06630	030750		*****
06631	030760		*****
06632	030770		*****
06633	030780		*****
06634	030790		*****
06635	030800		*****
06636	030810		*****
06637	030820		*****
06638	030830		*****
06639	030840		*****

13?

13?

HEX ADDRESS OF VERBS

10.43.12 APR 3.1984

133 NM100

Address	Code	Description	Hex Address
06540	030850*	PERFORM 179-BUILD-MASTER-ERROR.	3020 0000
06541	030860		3021 0000
06542	030870*	PERFORM 179-BUILD-MASTER-ERROR.	3022 0000
06543	030880	PERFORM 179-BUILD-MASTER-ERROR.	3023 0000
06544	030890	PERFORM 179-BUILD-MASTER-ERROR.	3024 0000
06545	030900	PERFORM 179-BUILD-MASTER-ERROR.	3025 0000
06546	030910	PERFORM 179-BUILD-MASTER-ERROR.	3026 0000
06547	030920*	PERFORM 179-BUILD-MASTER-ERROR.	3027 0000
06548	030930*	PERFORM 179-BUILD-MASTER-ERROR.	3028 0000
06549	030940*	PERFORM 179-BUILD-MASTER-ERROR.	3029 0000
06550	030950*	PERFORM 179-BUILD-MASTER-ERROR.	3030 0000
06551	030960*	PERFORM 179-BUILD-MASTER-ERROR.	3031 0000
06552	030970*	PERFORM 179-BUILD-MASTER-ERROR.	3032 0000
06553	030980*	PERFORM 179-BUILD-MASTER-ERROR.	3033 0000
06554	030990*	PERFORM 179-BUILD-MASTER-ERROR.	3034 0000
06555	031000*	PERFORM 179-BUILD-MASTER-ERROR.	3035 0000
06556	031010*	PERFORM 179-BUILD-MASTER-ERROR.	3036 0000
06557	031020*	PERFORM 179-BUILD-MASTER-ERROR.	3037 0000
06558	031030*	PERFORM 179-BUILD-MASTER-ERROR.	3038 0000
06559	031040*	PERFORM 179-BUILD-MASTER-ERROR.	3039 0000
06560	031050*	PERFORM 179-BUILD-MASTER-ERROR.	3040 0000
06561	031060*	PERFORM 179-BUILD-MASTER-ERROR.	3041 0000
06562	031070*	PERFORM 179-BUILD-MASTER-ERROR.	3042 0000
06563	031080*	PERFORM 179-BUILD-MASTER-ERROR.	3043 0000
06564	031090*	PERFORM 179-BUILD-MASTER-ERROR.	3044 0000
06565	031100*	PERFORM 179-BUILD-MASTER-ERROR.	3045 0000
06566	031110*	PERFORM 179-BUILD-MASTER-ERROR.	3046 0000
06567	031120*	PERFORM 179-BUILD-MASTER-ERROR.	3047 0000
06568	031130*	PERFORM 179-BUILD-MASTER-ERROR.	3048 0000
06569	031140*	PERFORM 179-BUILD-MASTER-ERROR.	3049 0000
06570	031150*	PERFORM 179-BUILD-MASTER-ERROR.	3050 0000
06571	031160*	PERFORM 179-BUILD-MASTER-ERROR.	3051 0000
06572	031170*	PERFORM 179-BUILD-MASTER-ERROR.	3052 0000
06573	031180*	PERFORM 179-BUILD-MASTER-ERROR.	3053 0000
06574	031190*	PERFORM 179-BUILD-MASTER-ERROR.	3054 0000
06575	031200*	PERFORM 179-BUILD-MASTER-ERROR.	3055 0000
06576	031210*	PERFORM 179-BUILD-MASTER-ERROR.	3056 0000
06577	031220*	PERFORM 179-BUILD-MASTER-ERROR.	3057 0000
06578	031230*	PERFORM 179-BUILD-MASTER-ERROR.	3058 0000
06579	031240*	PERFORM 179-BUILD-MASTER-ERROR.	3059 0000
06580	031250*	PERFORM 179-BUILD-MASTER-ERROR.	3060 0000
06581	031260*	PERFORM 179-BUILD-MASTER-ERROR.	3061 0000
06582	031270*	PERFORM 179-BUILD-MASTER-ERROR.	3062 0000
06583	031280*	PERFORM 179-BUILD-MASTER-ERROR.	3063 0000
06584	031290*	PERFORM 179-BUILD-MASTER-ERROR.	3064 0000
06585	031300*	PERFORM 179-BUILD-MASTER-ERROR.	3065 0000
06586	031310*	PERFORM 179-BUILD-MASTER-ERROR.	3066 0000
06587	031320*	PERFORM 179-BUILD-MASTER-ERROR.	3067 0000
06588	031330*	PERFORM 179-BUILD-MASTER-ERROR.	3068 0000
06589	031340*	PERFORM 179-BUILD-MASTER-ERROR.	3069 0000
06590	031350*	PERFORM 179-BUILD-MASTER-ERROR.	3070 0000
06591	031360*	PERFORM 179-BUILD-MASTER-ERROR.	3071 0000
06592	031370*	PERFORM 179-BUILD-MASTER-ERROR.	3072 0000
06593	031380*	PERFORM 179-BUILD-MASTER-ERROR.	3073 0000

2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

HEX ADDRESS OF VERBS

134 NHI00 10.43.12 APR 3, 1984

Line	Address	Code	Text	Hex Address
1	06694	031390*	MOVE INDIV-LINE-ERR TO RPT2-ERR-MSG	30740000
2	06695	031400*	PERFORM I79-BUILD-MASTER-ERROR.	30750000
3	06696	031410*	COMPUTE WK-DIF = INDIV-TAG-NBR-R OF NHILOREC -	30760000
4	06697	031420*	SAVE-TAG-NO + 1.	30770000
5	06698	031430*	IF WK-DIF NOT = SAVE-NUM-SUBSAMPLES	30780000
6	06699	031440*	MOVE TURN-ON TO EDIT-ERROR-SM	30790000
7	06700	031450*	MOVE SAVE-NUM-SUBSAMPLES TO ERR-MSG-DIF	30800000
8	06701	031460*	MOVE TAG-NBR-DISCREP TO RPT2-ERR-MSG	30810000
9	06702	031470*	PERFORM I79-BUILD-MASTER-ERROR.	30820000
10	06703	031480*	*****	30830000
11	06704	031490	*****	30840000
12	06705	031500	258-STRUCTURAL-TEST.	30850000
13	06706	031510*	MOVE TURN-OFF TO STRUC-ERR-SM.	02F328
14	06707	031520	MOVE MSTR-CONTROL TO WS-CURR-KEY.	02F32E
15	06708	031530*	*****	
16	06709	031540*	*****	
17	06710	031550*	*****	
18	06711	031560*	*****	
19	06712	031570*	*****	
20	06713	031580	*****	
21	06714	031590	*****	
22	06715	031600	*****	
23	06716	031610	*****	
24	06717	031620	*****	
25	06718	031630	*****	
26	06719	031640	*****	
27	06720	031650	*****	
28	06721	031660	*****	
29	06722	031670	*****	
30	06723	031680	*****	
31	06724	031690	*****	
32	06725	031700	*****	
33	06726	031710	*****	
34	06727	031720	*****	
35	06728	031730	*****	
36	06729	031740*	*****	
37	06730	031750*	*****	
38	06731	031760*	*****	
39	06732	031770*	*****	
40	06733	031780*	*****	
41	06734	031790*	*****	
42	06735	031800*	*****	
43	06736	031810	*****	
44	06737	031820	*****	
45	06738	031830	*****	
46	06739	031840	*****	
47	06740	031850	*****	
48	06741	031860	*****	
49	06742	031870	*****	
50	06743	031880	*****	
51	06744	031890*	*****	
52	06745	031900*	*****	
53	06746	031910*	*****	
54	06747	031920*	*****	
55			*****	
56			*****	
57			*****	
58			*****	
59			*****	
60			*****	
61			*****	
62			*****	
63			*****	
64			*****	
65			*****	
66			*****	
67			*****	
68			*****	
69			*****	
70			*****	
71			*****	
72			*****	
73			*****	
74			*****	
75			*****	
76			*****	
77			*****	
78			*****	
79			*****	
80			*****	
81			*****	
82			*****	
83			*****	
84			*****	
85			*****	
86			*****	
87			*****	
88			*****	
89			*****	
90			*****	
91			*****	
92			*****	
93			*****	
94			*****	
95			*****	
96			*****	
97			*****	
98			*****	
99			*****	
100			*****	

HEX ADDRESS OF VERBS

10-43.12 APR 3, 1984

135 NM100

Line	Address	Code	Description	Hex Address
1	06748	031930*	ADDED 4/83 LRL	31170000
2	06749	031940	IF MSTR-INDIV-RECORD AND MS-CURR-SPECIES-KEY	02F3E2
3	06750	031950	EQUAL SAVE-INDIV-KEY	31190000
4	06751	031960	PERFORM 259A-VERIFY-INDIV-STRUC.	31200000
5	06752	031970	IF MSTR-INDIV-RECORD AND MS-CURR-SPECIES-KEY	02F3F4
6	06753	031980	NOT EQUAL SAVE-INDIV-KEY	02F40C
7	06754	031990	PERFORM 259C-VERIFY-INDIV-LINEL.	31220000
8	06755	032000	CHANGE MADE 2/84 BY EFF	02F422
9	06756	032010	IF MSTR-TAG-RECAPTURE-RECORD AND MS-CURR-SPECIES-KEY	02F43A
10	06757	032020	EQUAL SAVE-TAG-RECAP-KEY	31240000
11	06758	032030	PERFORM 259B-VERIFY-TAG-RECAP-STRUC.	31250000
12	06759	032040	IF MSTR-TAG-RECAPTURE-RECORD AND MS-CURR-SPECIES-KEY	02F450
13	06760	032050	NOT EQUAL SAVE-TAG-RECAP-KEY	02F468
14	06761	032060	PERFORM 259E-VERIFY-TAG-RECAP-LINEL.	31250000
15	06762	032070	*END OF CHANGE EFF	31260000
16	06763	032080	IF MSTR-ANNULUS-RECORD AND MS-CURR-SPECIES-KEY NOT EQUAL	02F47E
17	06764	032090	SAVE-INDIV-KEY	31270000
18	06765	032100	PERFORM 259D-MISSING-INDIV-REC.	02F496
19	06766	032110*	IF STRUC-ERR	31280000
20	06767	032120	PERFORM 260-WRITE-RPT3-STRUC.	31290000
21	06768	032130	IF STRUC-ERR	31300000
22	06769	032140*	IF STRUC-ERR	02F4C4
23	06770	032150	259A-VERIFY-INDIV-STRUC.	02F4D0
24	06771	032160*	EQUAL LINE NUMBERS NOT DETECTED BY CODE 4/83 LRL	31310000
25	06772	032170*	ERROR *NOT POSSIBLE, EPPERLY 5/83	31320000
26	06773	032180	IF (LINE-NUMBER-R OF NMLI0REC NUMERIC AND	31330000
27	06774	032190	SAVE-INDIV-LINE NUMERIC)	31340000
28	06775	032200	COMPUTE TEST-SUM = SAVE-INDIV-LINE-R + I	02F4F2
29	06776	032210	IF LINE-NUMBER-R OF NMLI0REC NOT EQUAL TEST-SUM	02F50E
30	06777	032220	MOVE TURN-ON TO STRUC-ERR-SW	02F524
31	06778	032230	MOVE CHK TO NON-SEQ-INDIV-REC.	02F53A
32	06779	032240*	259B-VERIFY-TAG-RECAP-STRUC.	02F540
33	06780	032250	NON-NUMERIC LINE NUMBERS NOT DETECTED BY CODE 4/83 EFF	31430000
34	06781	032260	IF LINE-NUMBER OF NMLI0REC EQUAL SAVE-TAG-RECAP-LINE	31440000
35	06782	032270	MOVE TURN-ON TO STRUC-ERR-SW	31500000
36	06783	032280	MOVE CHK TO DUP-TAG-RECAP.	02F54C
37	06784	032290	IF (LINE-NUMBER-R OF NMLI0REC NUMERIC AND	02F556
38	06785	032300	SAVE-TAG-RECAP-LINE NUMERIC)	02F55C
39	06786	032310	COMPUTE TEST-SUM = SAVE-TAG-RECAP-LINE-R + I	02F562
40	06787	032320	IF LINE-NUMBER-R OF NMLI0REC NOT EQUAL TEST-SUM	02F57E
41	06788	032330	MOVE TURN-ON TO STRUC-ERR-SW	02F594
42	06789	032340	MOVE CHK TO NON-SEQ-INDIV-REC.	02F5AA
43	06790	032350	259C-VERIFY-INDIV-LINEL.	02F5B0
44	06791	032360*	IF LINE-NUMBER-R OF NMLI0REC NUMERIC	31530000
45	06792	032370	IF LINE-NUMBER-R OF NMLI0REC NOT EQUAL I	31540000
46	06793	032380	MOVE TURN-ON TO STRUC-ERR-SW	31550000
47	06794	032390	MOVE CHK TO NON-SEQ-INDIV-REC.	02F58C
48	06795	032400	259D-MISSING-INDIV-REC.	02F5CA
49	06796	032410	EITHER A MISSING INDIV-REC OR A INVALID LINE	02F5DA
50	06797	032420*	MOVE TURN-ON TO STRUC-ERR-SW	31590000
51	06798	032430	MOVE CHK TO MISSING-INDIV-REC.	02F5E0
52	06799	032440*	259D-MISSING-INDIV-REC.	31600000
53	06800	032450	MOVE TURN-ON TO STRUC-ERR-SW	31610000
54	06801	032460	MOVE CHK TO MISSING-INDIV-REC.	31620000
55				31630000
56				02F5EC
57				02F5F2
58				
59				
60				
61				
62				
63				
64				
65				
66				
67				
68				
69				
70				
71				
72				
73				
74				
75				
76				
77				
78				
79				
80				

HEX ADDRESS OF VERBS

10.43.12 APR 3, 1984

MI100

136

Line No.	Code	Description	Hex Address
1	06802	032470*	31540000
2	06803	032480*ADDED Z784 BY EFF	31540000
3	06804	032490 Z59E-VERIFY-TAG-RECAP-LINE1.	31260000
4	06805	IF LINE-NUMBER-R OF NM10REC NUMERIC	02F5FE
5	06806	IF LINE-NUMBER-R OF NM10REC NOT EQUAL 1	02F60C
6	06807	MOVE TURN-ON TO STRUC-ERR-SW	02F61C
7	06808	MOVE CHK TO NON-SEQ-TAG-RECAPT.	02F622
8	06809	032540*END OF ADDITION EFF	
9	06810	032550*	
10	06811	032560-260-WRITE-RPT3-STRUC.	
11	06812	MOVE SEQUENCE-NUMBER OF NM10REC TO RPT3-SEQ-NBR.	02F62E
12	06813	MOVE REPLICATE-NUMBER OF NM10REC TO RPT3-REP-NBR.	02F634
13	06814	MOVE SPECIES-CODE OF NM10REC TO RPT3-SPECIES-CODE.	02F63A
14	06815	MOVE SPECIES-STATUS OF NM10REC TO RPT3-SPECIES-STATUS.	02F640
15	06816	MOVE LINE-NUMBER OF NM10REC TO RPT3-LINE-NBR.	02F646
16	06817	IF MSTR-ANNULUS-RFCORD OR MSTR-INDIV-RECORD OR	02F64C
17	06818	MSTR-SPECIES-RECORD	
18	06819	MOVE DASH TO RPT1-DASH	02F664
19	06820	ELSE	
20	06821	MOVE SPACES TO RPT1-DASH.	02F66E
21	06822	IF R3-LINE-CNT GREATER THAN 58	02F672
22	06823	PERFORM 262-WRITE-RPT3-STRUC-HEADING.	02F67C
23	06824	WRITE STRUC-PRT-LINE FROM REPORT3-DETAIL-LINE	02F694
24	06825	AFTER POSITIONING 2.	
25	06826	MOVE SPACES TO REPORT3-DETAIL-LINE.	02F6DE
26	06827	ADD 2 TO R3-LINE-CNT.	02F6E8
27	06828	032730*	
28	06829	032740-262-WRITE-RPT3-STRUC-HEADING.	
29	06830	ADD 1 TO R3-PAGE-CNT.	02F6F8
30	06831	MOVE R3-PAGE-CNT TO R3-PAGE-NO.	02F702
31	06832	WRITE STRUC-PRT-LINE FROM REPORT3-HEAD1-AFTER POSITIONING 0.	02F71A
32	06833	WRITE STRUC-PRT-LINE FROM REPORT3-HEAD2 AFTER POSITIONING 2.	02F760
33	06834	WRITE STRUC-PRT-LINE FROM REPORT3-COL-HEAD1	02F7A6
34	06835	AFTER POSITIONING-2.	
35	06836	WRITE STRUC-PRT-LINE FROM REPORT3-COL-HEAD2	02F7EC
36	06837	AFTER POSITIONING 1.	
37	06838	WRITE STRUC-PRT-LINE FROM REPORT3-COL-HEAD3	02F832
38	06839	AFTER POSITIONING 1.	
39	06840	MOVE 6 TO R3-LINE-CNT.	02F878
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			
51			
52			
53			
54			
55			
56			
57			
58			
59			
60			
61			
62			
63			
64			
65			
66			
67			
68			
69			
70			
71			
72			
73			
74			
75			
76			
77			
78			
79			
80			
81			
82			
83			
84			
85			
86			
87			
88			
89			
90			
91			
92			
93			
94			
95			
96			
97			

137

MM100

10-43-12

APR 3-1984

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
70	
71	
72	
73	
74	
75	
76	
77	
78	
79	
80	

CONDITION, GENERATED, AND INDEX NAMES

APR 3, 1964

10.43.12

MM100

1	DNM=8-379	88	READ-MSTR	DNM=8-379	88	READ-MSTR	DNM=8-379
2	DNM=8-424	88	READ-TRAN	DNM=8-424	88	READ-TRAN	DNM=8-424
3	DNM=8-470	88	WRITE-NFMSTR	DNM=8-470	88	WRITE-NFMSTR	DNM=8-470
4	DNM=9-029	88	DUMMY-RO-ON	DNM=9-029	88	DUMMY-RO-ON	DNM=9-029
5	DNM=9-080	88	DUMMY-RO-OFF	DNM=9-080	88	DUMMY-RO-OFF	DNM=9-080
6	DNM=9-105	88	EDIT-ERROR	DNM=9-105	88	EDIT-ERROR	DNM=9-105
7	DNM=9-154	88	NO-EDIT-ERRORS	DNM=9-154	88	NO-EDIT-ERRORS	DNM=9-154
8	DNM=9-175	88	FDT-REJECT-ERROR	DNM=9-175	88	FDT-REJECT-ERROR	DNM=9-175
9	DNM=9-233	88	STRUC-EPR	DNM=9-233	88	STRUC-EPR	DNM=9-233
10	DNM=9-286	88	DETAIL-LINE-WRITTEN	DNM=9-286	88	DETAIL-LINE-WRITTEN	DNM=9-286
11	DNM=9-341	88	NO-CODE4-DATA-FOUND	DNM=9-341	88	NO-CODE4-DATA-FOUND	DNM=9-341
12	DNM=9-403	88	NO-DECREASE	DNM=9-403	88	NO-DECREASE	DNM=9-403
13	DNM=9-457	88	INVALID-GEAR	DNM=9-457	88	INVALID-GEAR	DNM=9-457
14	DNM=10-000	88	INVALID-STATION	DNM=10-000	88	INVALID-STATION	DNM=10-000
15	DNM=10-054	88	STATION-NOT-FOUND	DNM=10-054	88	STATION-NOT-FOUND	DNM=10-054
16	DNM=10-112	88	STATION-FOUND	DNM=10-112	88	STATION-FOUND	DNM=10-112
17	DNM=10-140	88	END-OF-LIST	DNM=10-140	88	END-OF-LIST	DNM=10-140
18	DNM=10-194	88	MASTER-ACTION	DNM=10-194	88	MASTER-ACTION	DNM=10-194
19	DNM=10-245	88	MISSING-DISTANCE	DNM=10-245	88	MISSING-DISTANCE	DNM=10-245
20	DNM=10-304	88	EOF-LATIN	DNM=10-304	88	EOF-LATIN	DNM=10-304
21	DNM=10-359	88	TAG-MATCHED	DNM=10-359	88	TAG-MATCHED	DNM=10-359
22	DNM=10-406	88	SPECIES-FOUND	DNM=10-406	88	SPECIES-FOUND	DNM=10-406
23	DNM=10-457	88	SPECIES-CODE-0	DNM=10-457	88	SPECIES-CODE-0	DNM=10-457
24	DNM=11-301	88	SPECIES-CODE-1-OR-2	DNM=11-301	88	SPECIES-CODE-1-OR-2	DNM=11-301
25	DNM=11-326	88	SPECIES-CODE-3	DNM=11-326	88	SPECIES-CODE-3	DNM=11-326
26	DNM=11-358	88	SPECIES-CODE-4-OR-7	DNM=11-358	88	SPECIES-CODE-4-OR-7	DNM=11-358
27	DNM=11-386	88	SPECIES-CODE-5	DNM=11-386	88	SPECIES-CODE-5	DNM=11-386
28	DNM=11-418	88	SPECIES-CODE-6	DNM=11-418	88	SPECIES-CODE-6	DNM=11-418
29	DNM=11-446	88	END-OF-TRANS	DNM=11-446	88	END-OF-TRANS	DNM=11-446
30	DNM=24-367	88	TR-ADD	DNM=24-367	88	TR-ADD	DNM=24-367
31	DNM=24-392	88	TR-DELETE	DNM=24-392	88	TR-DELETE	DNM=24-392
32	DNM=24-408	88	TR-DELETE	DNM=24-408	88	TR-DELETE	DNM=24-408
33	DNM=24-431	88	VAL ID-CHANGE-CODE	DNM=24-431	88	VAL ID-CHANGE-CODE	DNM=24-431
34	DNM=24-454	88	ENVIR-RECORD	DNM=24-454	88	ENVIR-RECORD	DNM=24-454
35	DNM=25-000	88	REPLIC-RECORD	DNM=25-000	88	REPLIC-RECORD	DNM=25-000
36	DNM=25-023	88	SPECIES-RECORD	DNM=25-023	88	SPECIES-RECORD	DNM=25-023
37	DNM=25-047	88	INDIV-RECORD	DNM=25-047	88	INDIV-RECORD	DNM=25-047
38	DNM=25-072	88	ANNULUS-RECORD	DNM=25-072	88	ANNULUS-RECORD	DNM=25-072
39	DNM=25-095	88	DUP-INDIV-RECORD	DNM=25-095	88	DUP-INDIV-RECORD	DNM=25-095
40	DNM=25-123	88	TAG-RECAPTURE-RECORD	DNM=25-123	88	TAG-RECAPTURE-RECORD	DNM=25-123
41	DNM=25-154	88	MSTR-ENVIR-RECORD	DNM=25-154	88	MSTR-ENVIR-RECORD	DNM=25-154
42	DNM=25-185	88	MSTR-REPLIC-RECORD	DNM=25-185	88	MSTR-REPLIC-RECORD	DNM=25-185
43	DNM=33-451	88	MSTR-SPECIES-RECORD	DNM=33-451	88	MSTR-SPECIES-RECORD	DNM=33-451
44	DNM=33-479	88	MSTR-INDIV-RECORD	DNM=33-479	88	MSTR-INDIV-RECORD	DNM=33-479
45	DNM=34-000	88	MSTR-ANNULUS-RECORD	DNM=34-000	88	MSTR-ANNULUS-RECORD	DNM=34-000
46	DNM=34-033	88	MSTR-TAG-RECAPTURE-RECORD	DNM=34-033	88	MSTR-TAG-RECAPTURE-RECORD	DNM=34-033
47	DNM=34-064	88	END-OF-MASTER	DNM=34-064	88	END-OF-MASTER	DNM=34-064
48	DNM=34-094	88	LINE1	DNM=34-094	88	LINE1	DNM=34-094
49	DNM=34-161	88	LINE2	DNM=34-161	88	LINE2	DNM=34-161
50	DNM=34-423	88	GRID-PRG	DNM=34-423	88	GRID-PRG	DNM=34-423
51	DNM=34-444	88	PROGRAM-001-TO-999	DNM=34-444	88	PROGRAM-001-TO-999	DNM=34-444
52	DNM=35-196	88	PROGRAM-000-TO-699	DNM=35-196	88	PROGRAM-000-TO-699	DNM=35-196
53	DNM=35-218	88	PROGRAM-400-TO-699	DNM=35-218	88	PROGRAM-400-TO-699	DNM=35-218
54	DNM=35-246	88	PROGRAM-600-TO-699	DNM=35-246	88	PROGRAM-600-TO-699	DNM=35-246
55	DNM=35-277	88	PROGRAM-700-TO-799	DNM=35-277	88	PROGRAM-700-TO-799	DNM=35-277
56	DNM=35-309	88	PROGRAM-700-TO-800	DNM=35-309	88	PROGRAM-700-TO-800	DNM=35-309
57	DNM=35-339	88	PROGRAM-700-TO-800	DNM=35-339	88	PROGRAM-700-TO-800	DNM=35-339
58	DNM=35-367	88	PROGRAM-700-TO-800	DNM=35-367	88	PROGRAM-700-TO-800	DNM=35-367

DN# 35-429	88	PROGRAM-050	DN# 35-429
DN# 35-457	89	PROGRAM-051	DN# 35-457
DN# 36-000	88	PROGRAM-050	DN# 36-000
DN# 36-028	88	PROGRAM-050	DN# 36-028
DN# 36-053	88	PROGRAM-100	DN# 36-053
DN# 36-078	88	PROGRAM-105	DN# 36-078
DN# 36-106	88	PROGRAM-110	DN# 36-106
DN# 36-134	88	PROGRAM-115	DN# 36-134
DN# 36-162	88	PROGRAM-120	DN# 36-162
DN# 36-187	88	PROGRAM-125	DN# 36-187
DN# 36-215	88	PROGRAM-126	DN# 36-215
DN# 36-240	88	PROGRAM-130	DN# 36-240
DN# 36-265	88	PROGRAM-150	DN# 36-265
DN# 36-293	88	PROGRAM-160	DN# 36-293
DN# 36-321	88	PROGRAM-170-OR-180	DN# 36-321
DN# 36-352	88	PROGRAM-175	DN# 36-352
DN# 36-380	88	PROGRAM-300	DN# 36-380
DN# 36-408	88	PROGRAM-320	DN# 36-408
DN# 36-436	88	PROGRAM-330	DN# 36-436
DN# 36-464	88	PROGRAM-340	DN# 36-464
DN# 37-000	88	PROGRAM-350	DN# 37-000
DN# 37-025	88	PROGRAM-400	DN# 37-025
DN# 37-050	88	PROGRAM-410	DN# 37-050
DN# 37-078	88	PROGRAM-420	DN# 37-078
DN# 37-103	88	PROGRAM-421-OR-422	DN# 37-103
DN# 37-134	88	PROGRAM-430-OR-440	DN# 37-134
DN# 37-165	88	PROGRAM-431-OR-441	DN# 37-165
DN# 37-193	88	PROGRAM-432-OR-442	DN# 37-193
DN# 37-224	88	PROGRAM-433-OR-443	DN# 37-224
DN# 37-255	88	PROGRAM-434-OR-444	DN# 37-255
DN# 37-283	88	PROGRAM-435-OR-445	DN# 37-283
DN# 37-314	88	PROGRAM-436-OR-446	DN# 37-314
DN# 37-345	88	PROGRAM-437-OR-447	DN# 37-345
DN# 37-376	88	PROGRAM-438	DN# 37-376
DN# 37-404	88	PROGRAM-450	DN# 37-404
DN# 37-429	88	PROGRAM-460	DN# 37-429
DN# 37-457	88	PROGRAM-460	DN# 37-457
DN# 38-000	88	PROGRAM-500	DN# 38-000
DN# 38-028	88	PROGRAM-510	DN# 38-028
DN# 38-056	88	PROGRAM-530	DN# 38-056
DN# 38-091	88	PROGRAM-540	DN# 38-091
DN# 38-106	88	PROGRAM-550	DN# 38-106
DN# 38-134	88	PROGRAM-610	DN# 38-134
DN# 38-159	88	PROGRAM-615	DN# 38-159
DN# 38-187	88	PROGRAM-618	DN# 38-187
DN# 38-215	88	PROGRAM-620	DN# 38-215
DN# 38-240	88	PROGRAM-630	DN# 38-240
DN# 38-265	88	PROGRAM-650	DN# 38-265
DN# 38-291	88	PROGRAM-660	DN# 38-291
DN# 38-321	88	PROGRAM-670	DN# 38-321
DN# 38-349	88	PROGRAM-680	DN# 38-349
DN# 38-377	88	PROGRAM-690	DN# 38-377
DN# 38-405	88	PROGRAM-700	DN# 38-405
DN# 38-430	88	PROGRAM-705	DN# 38-430
DN# 38-455	88	PROGRAM-710	DN# 38-455
DN# 38-483	88	PROGRAM-715	DN# 38-483
DN# 39-000	88	PROGRAM-720	DN# 39-000
DN# 39-028	88	PROGRAM-725	DN# 39-028
DN# 39-053	88	PROGRAM-730	DN# 39-053
DN# 39-081	88	PROGRAM-735	DN# 39-081

DNM=39-109 88 PROGRAM-740
 DNM=39-137 88 PROGRAM-745
 DNM=39-165 88 PROGRAM-750
 DNM=39-190 88 PROGRAM-755
 DNM=39-218 88 PROGRAM-760
 DNM=39-246 88 PROGRAM-765
 DNM=39-271 88 PROGRAM-770

DNM=39-296 88 PROGRAM-775
 DNM=39-321 88 PROGRAM-930
 DNM=40-094 88 START-LDC-26-ID-40
 DNM=40-115 88 START-LDC-0-ID-23
 DNM=40-288 88 VAL ID-NUMER-GRID
 DNM=40-349 88 VAL ID-ALPHA-GRID
 DNM=41-033 88 VAL ID-GEAR-OF-ZERO
 DNM=41-068 88 VAL ID-GEAR-OF-999
 DNM=41-102 88 VAL ID-GEAR-FOR-PGM050
 DNM=41-133 88 VAL ID-GEAR-FOR-PGM051
 DNM=41-167 88 VAL ID-GEAR-FOR-PGM055
 DNM=41-201 88 VAL ID-GEAR-FOR-PGM060
 DNM=41-235 88 VAL ID-GEAR-FOR-PGM100
 DNM=41-266 88 VAL ID-GEAR-FOR-PGM105
 DNM=41-301 88 VAL ID-GEAR-FOR-PGM110
 DNM=41-325 88 VAL ID-GEAR-FOR-PGM115
 DNM=41-369 88 VAL ID-GEAR-FOR-PGM120
 DNM=41-403 88 VAL ID-GEAR-FOR-PGM125
 DNM=41-438 88 VAL ID-GEAR-FOR-PGM126
 DNM=41-476 88 VAL ID-GEAR-FOR-PGM130
 DNM=42-070 88 VAL ID-GEAR-FOR-PGM150
 DNM=42-034 88 VAL ID-GEAR-FOR-PGM160
 DNM=42-065 88 VAL ID-GEAR-FOR-PGM170
 DNM=42-100 88 VAL ID-GEAR-FOR-PGM175
 DNM=42-138 88 VAL ID-GEAR-FOR-PGM300
 DNM=42-172 88 VAL ID-GEAR-FOR-PGM320
 DNM=42-210 88 VAL ID-GEAR-FOR-PGM330
 DNM=42-244 88 VAL ID-GEAR-FOR-PGM340
 DNM=42-282 88 VAL ID-GEAR-FOR-PGM400
 DNM=42-313 88 VAL ID-GEAR-FOR-PGM410
 DNM=42-347 88 VAL ID-GEAR-FOR-PGM420
 DNM=42-381 88 VAL ID-GEAR-FOR-PGM421
 DNM=42-415 88 VAL ID-GEAR-FOR-PGM421-422

37	DNM=42-457	88	VAL ID-GEAR-FOR-PCM430-440	DNM=42-457	37
38	DNM=43-000	88	VAL ID-GEAR-FOR-PCM431-441	DNM=43-000	38
39	DNM=43-042	88	VAL ID-GEAR-FOR-PCM432-442	DNM=43-042	39
40	DNM=43-081	88	VAL ID-GEAR-FOR-PCM433-443	DNM=43-081	40
41	DNM=43-119	88	VAL ID-GEAR-FOR-PCM434-444	DNM=43-119	41
42	DNM=43-157	88	VAL ID-GEAR-FOR-PCM435-445	DNM=43-157	42
43	DNM=43-192	88	VAL ID-GEAR-FOR-PCM436-446	DNM=43-192	43
44	DNM=43-234	88	VAL ID-GEAR-FOR-PCM437-447	DNM=43-234	44
45	DNM=43-272	88	VAL ID-GEAR-FOR-PCM438	DNM=43-272	45
46	DNM=43-306	88	VAL ID-GEAR-FOR-PCM439	DNM=43-306	46
47	DNM=43-340	88	VAL ID-GEAR-FOR-PCM440	DNM=43-340	47
48	DNM=43-374	88	VAL ID-GEAR-FOR-PCM441	DNM=43-374	48
49	DNM=43-405	88	VAL ID-GEAR-FOR-PCM442	DNM=43-405	49
50	DNM=43-439	88	VAL ID-GEAR-FOR-PCM443	DNM=43-439	50
51	DNM=43-473	88	VAL ID-GEAR-FOR-PCM444	DNM=43-473	51
52	DNM=44-000	88	VAL ID-GEAR-FOR-PCM445	DNM=44-000	52
53	DNM=44-034	88	VAL ID-GEAR-FOR-PCM446	DNM=44-034	53
54	DNM=44-068	88	VAL ID-GEAR-FOR-PCM447	DNM=44-068	54
55	DNM=44-099	88	VAL ID-GEAR-FOR-PCM448	DNM=44-099	55
56	DNM=44-137	88	VAL ID-GEAR-FOR-PCM449	DNM=44-137	56
57	DNM=44-175	88	VAL ID-GEAR-FOR-PCM450	DNM=44-175	57
58	DNM=44-210	88	VAL ID-GEAR-FOR-PCM451	DNM=44-210	58
59	DNM=44-248	88	VAL ID-GEAR-FOR-PCM452	DNM=44-248	59
60	DNM=44-286	88	VAL ID-GEAR-FOR-PCM453	DNM=44-286	60
61	DNM=44-320	88	VAL ID-GEAR-FOR-PCM454	DNM=44-320	61
62	DNM=44-355	88	VAL ID-GEAR-FOR-PCM455	DNM=44-355	62
63	DNM=44-389	88	VAL ID-GEAR-FOR-PCM456	DNM=44-389	63
64	DNM=44-420	88	VAL ID-GEAR-FOR-PCM457	DNM=44-420	64
65	DNM=44-454	88	VAL ID-GEAR-FOR-PCM458	DNM=44-454	65
66	DNM=45-000	88	VAL ID-GEAR-FOR-PCM459	DNM=45-000	66
67	DNM=45-034	88	VAL ID-GEAR-FOR-PCM460	DNM=45-034	67
68	DNM=45-072	88	VAL ID-GEAR-FOR-PCM461	DNM=45-072	68
69	DNM=45-106	88	VAL ID-GEAR-FOR-PCM462	DNM=45-106	69
70	DNM=45-140	88	VAL ID-GEAR-FOR-PCM463	DNM=45-140	70
71	DNM=45-171	88	VAL ID-GEAR-FOR-PCM464	DNM=45-171	71
72	DNM=45-202	88	VAL ID-GEAR-FOR-PCM465	DNM=45-202	72
73	DNM=45-236	88	VAL ID-GEAR-FOR-PCM466	DNM=45-236	73
74	DNM=45-274	88	VAL ID-GEAR-FOR-PCM467	DNM=45-274	74
75	DNM=45-312	88	VAL ID-GEAR-FOR-PCM468	DNM=45-312	75
76	DNM=45-350	88	VAL ID-GEAR-FOR-PCM469	DNM=45-350	76
77	DNM=45-384	88	VAL ID-GEAR-FOR-PCM470	DNM=45-384	77
78	DNM=45-418	88	VAL ID-GEAR-FOR-PCM471	DNM=45-418	78
79	DNM=45-456	88	VAL ID-GEAR-FOR-PCM472	DNM=45-456	79
80	DNM=49-220	88	SPECIF-STATUS-6-CNT	DNM=49-220	80
81	DNM=50-266	88	AGF-STATUS-2	DNM=50-266	81
82	DNM=54-401	88	CNVT-SDN-15-ZERO	DNM=54-401	82

17	DNM=54-461	88	CNVT-JULIAN5-1S-ZERO	DNM=54-461
18	DNM=55-104	88	CNVT-JULIAN7-1S-ZERO	DNM=55-104
19	DNM=55-238	88	CNVT-MDY6-1S-ZERO	DNM=55-238
20	DNM=55-388	88	CNVT-MDY8-1S-ZERO	DNM=55-388
21	DNM=56-060	88	CNVT-YMD6-1S-ZERO	DNM=56-060
22	DNM=56-213	88	CNVT-YMD8-1S-ZERO	DNM=56-213
23	DNM=57-282	88	CVT-S04-1S-ZERO	DNM=57-282
24	DNM=57-337	88	CVT-JULIAN5-1S-ZERO	DNM=57-337
25	DNM=57-467	88	CVT-JULIAN7-1S-ZERO	DNM=57-467
26	DNM=58-098	88	CVT-MDY6-1S-ZERO	DNM=58-098
27	DNM=58-246	88	CVT-MDY8-1S-ZERO	DNM=58-246
28	DNM=58-419	88	CVT-YMD6-1S-ZERO	DNM=58-419
29	DNM=59-070	88	CVT-YMD8-1S-ZERO	DNM=59-070
30	DNM=60-289	88	END-OF-FNVIR-PRELOAD	DNM=60-289
31	DNM=61-226		EPL-1X	DNM=61-226
32	DNM=62-401		LATIN-INDEX	INDEX-NM
33	DNM=63-279		TAG-INDEX	INDEX-NM
34	DNM=74-386	88	LAST-TYPE-ENVIR	INDEX-NM
35	DNM=74-412	88	LAST-TYPE-REPLIC	
36	DNM=74-439	88	LAST-TYPE-SPECIES	
37	DNM=74-470	88	LAST-TYPE-INDIV	
38	DNM=75-000	88	LAST-TYPE-ANNULUS	
39	DNM=75-031	88	LAST-TYPE-TAG-RECAPT	
40	DNM=123-215		LOC-1-1X	INDEX-NM
41	DNM=123-296		STA-1-1X	INDEX-NM
42	DNM=144-061		LOC-2-1X	INDEX-NM
43	DNM=144-144		STA-2-1X	INDEX-NM
44	DNM=146-369		LOC-3-1X	INDEX-NM
45	DNM=146-453		STA-3-1X	INDEX-NM
46				
47				
48				
49				
50				
51				
52				
53				
54				
55				
56				
57				
58				
59				
60				
61				
62				
63				
64				
65				
66				
67				
68				
69				
70				
71				
72				
73				
74				
75				

MI100 10-43-12 APR 3-1984

MEMORY MAP

1	TGT	267A8
2		
3		
4		
5	SAVE AREA	267AB
6	SWITCH	267FC
7	TALLY	267FA
8	SORT SAVE	267F8
9	EMPTY-SAVE	267FC
10	SORT CORE SIZE	26800
11	RET CODE	26804
12	SORT RET	26806
13	WORKING CELLS	26809
14	SORT FILE SIZE	2693A
15	SORT MODE SIZE	2693C
16	PGT-VN TBL	26940
17	TGT-VN TBL	26944
18	RESERVED	26948
19	LENGTH OF VN TBL	2694C
20	LABEL RET	2694E
21	RESERVED	2694F
22	DBG R14SAVE	26950
23	COROL INDICATOR	26954
24	ALIMPT11	26958
25	DEBUG TABLE PTR	2695C
26	SURCOM PTR	26960
27	SORT-MESSAGE	26964
28	SYSDIUT-ODNAME	2696C
29	RESERVED	2696D
30	COROL ID	2696F
31	COMPILED POINTER	26970
32	COUNT TABLE ADDRESS	26974
33	RESERVED	26978
34	DBG R14SAVE	26980
35	COUNT CHAIN ADDRESS	26984
36	PRBL CELL PTR	26988
37	RESERVED	2699C
38	VA LENGTH	26991
39	RESERVED	26994
40	PCS LIT PTR	2699C
41	DERUINGING	269A0
42	GD-FOR-INITIAL-INPUT	269A4
43	OVERFLOW CELLS	269A8
44	BL CELLS	269A9
45	DECRAPR CELLS	26A60
46	FIB CELLS	26A60
47	TEMP STORAGE	26A68
48	TEMP STORAGE-2	26A78
49	TEMP STORAGE-3	26A90
50	TEMP STORAGE-4	26A90
51	9LL-CELLS	26AA0
52	VLC CELLS	26AAC
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
71		
72		
73		
74		
75		
76		
77		
78		
79		
80		
81		
82		
83		
84		
85		
86		
87		
88		
89		
90		
91		
92		
93		
94		
95		
96		
97		
98		
99		
100		
101		
102		
103		
104		
105		
106		
107		
108		
109		
110		
111		
112		
113		
114		
115		
116		
117		
118		
119		
120		
121		
122		
123		
124		
125		
126		
127		
128		
129		
130		
131		
132		
133		
134		
135		
136		
137		
138		
139		
140		
141		
142		
143		
144		
145		
146		
147		
148		
149		
150		
151		
152		
153		
154		
155		
156		
157		
158		
159		
160		
161		
162		
163		
164		
165		
166		
167		
168		
169		
170		
171		
172		
173		
174		
175		
176		
177		
178		
179		
180		
181		
182		
183		
184		
185		
186		
187		
188		
189		
190		
191		
192		
193		
194		
195		
196		
197		
198		
199		
200		
201		
202		
203		
204		
205		
206		
207		
208		
209		
210		
211		
212		
213		
214		
215		
216		
217		
218		
219		
220		
221		
222		
223		
224		
225		
226		
227		
228		
229		
230		
231		
232		
233		
234		
235		
236		
237		
238		
239		
240		
241		
242		
243		
244		
245		
246		
247		
248		
249		
250		
251		
252		
253		
254		
255		
256		
257		
258		
259		
260		
261		
262		
263		
264		
265		
266		
267		
268		
269		
270		
271		
272		
273		
274		
275		
276		
277		
278		
279		
280		
281		
282		
283		
284		
285		
286		
287		
288		
289		
290		
291		
292		
293		
294		
295		
296		
297		
298		
299		
300		
301		
302		
303		
304		
305		
306		
307		
308		
309		
310		
311		
312		
313		
314		
315		
316		
317		
318		
319		
320		
321		
322		
323		
324		
325		
326		
327		
328		
329		
330		
331		
332		
333		
334		
335		
336		
337		
338		
339		
340		
341		
342		
343		
344		
345		
346		
347		
348		
349		
350		
351		
352		
353		
354		
355		
356		
357		
358		
359		
360		
361		
362		
363		
364		
365		
366		
367		
368		
369		
370		
371		
372		
373		
374		
375		
376		
377		
378		
379		
380		
381		
382		
383		
384		
385		
386		
387		
388		
389		
390		
391		
392		
393		
394		
395		
396		
397		
398		
399		
400		
401		
402		
403		
404		
405		
406		
407		
408		
409		
410		
411		
412		
413		
414		
415		
416		
417		
418		
419		
420		
421		
422		
423		
424		
425		
426		
427		
428		
429		
430		
431		
432		
433		
434		
435		
436		
437		
438		
439		
440		
441		
442		
443		
444		
445		
446		
447		
448		
449		
450		
451		
452		
453		
454		
455		
456		
457		
458		
459		
460		
461		
462		
463		
464		
465		
466		
467		
468		
469		
470		
471		
472		
473		
474		
475		
476		
477		
478		
479		
480		
481		
482		
483		
484		
485		
486		
487		
488		
489		
490		
491		
492		
493		
494		
495		
496		
497		
498		
499		
500		
501		
502		
503		
504		
505		
506		
507		
508		
509		
510		
511		
512		
513		
514		
515		
516		
517		
518		
519		
520		
521		
522		
523		
524		
525		
526		
527		
528		
529		
530		
531		
532		
533		
534		
535		
536		
537		
538		
539		
540		
541		
542		
543		
544		
545		
546		
547		
548		
549		
550		
551		
552		
553		
554		
555		
556		
557		
558		
559		
560		
561		
562		
563		
564		
565		
566		
567		
568		
569		
570		
571		
572		
573		
574		
575		
576		
577		
578		
579		
580		
581		
582		
583		
584		
585		
586		
587		
588		
589		
590		
591		
592		
593		

PPMSAV CELLS 26AE4
 VAL CELLS 26008
 SAVE AREA #2 270C0
 SAVE AREA #3 270C0
 XASAV CELLS 27008
 XSA CELLS 2700C
 PARAM CELLS 270FC
 RPTSAV AREA 27158
 CHECKPT CTR 27158

LITERAL POOL (HEX)

27528 (LIT+01)	002E1C00	01000001	000E0000	00000007	-00080007	00000009
27560 (LIT+26)	01A801A8	00000069	40202068	20212060	20682020	20682021
27558 (LIT+48)	20046C70	0C799C69	9C800C99	9C050C91	1C200C05	1C531C94
27570 (LIT+72)	0C420C05	5C556C59	0C213C30	0C503C06	0C100C31	1C530C53
27588 (LIT+96)	8C212C13	0C535C10	5C645C11	0C555C11	5C245C60	5C120C33
275A0 (LIT+120)	0C240C21	0C211C55	7C558C12	5C126C15	0C230C22	0C250C96
27598 (LIT+144)	0C390C24	7C160C60	0C170C1A	0C351C35	2C353C53	2C570C57
27500 (LIT+168)	4C552C92	6C950C92	5C920C83	5C175C32	0C340C35	0C400C22
275E8 (LIT+192)	7C232C24	7C421C42	2C410C43	0C440C11	7C415C43	1C441C43
27600 (LIT+216)	2C442C43	3C443C41	0C534C55	3C554C57	2C434C44	4C435C44
27618 (LIT+240)	5C436C44	6C437C44	7C438C42	4C412C11	8C450C46	0C470C11
27630 (LIT+264)	1C575C74	0C560C31	0C536C54	0C610C75	4C830C61	5C805C61
27648 (LIT+288)	8C620C74	6C630C76	6C659C75	8C660C81	1C670C68	0C690C71
27660 (LIT+312)	3C810C23	1C515C70	5C710C71	5C720C11	9C411C41	3C421C72
27678 (LIT+336)	5C730C73	5C745C75	0C755C76	0C765C77	0C775C49	9C930C00
27690 (LIT+360)	15000C09	C921E609	99999999	999CF020	21202048	202020F0
276AA (LIT+384)	F0F0F0F0	F0F0F0F0	F0F0F000	000F0001	00000003	0001F003
276C0 (LIT+408)	000208B8	00000006	F0F1F9F9	F9F9F9F9	F9058C40	20202021
276D8 (LIT+432)	20005FF0	F0F1006F	F20609E3	DAF2C740	E20609E3	40C6C9C5
276F0 (LIT+456)	02CAE77E	40F0F0F0	F36BF0F2	F369C3C8	68C168F0	F0F0F268
27708 (LIT+480)	F0F0F168	C3C869C1	68F0F0F0	F168F0F0	F168C3C8	68C15D40
27720 (LIT+504)	00000000	00000000	00000000	00004009	C5C30609	C440E3E8
27738 (LIT+528)	07C57EC6	6803C5D5	C7E3C87E	4DF0F0F1	F2F85D40	10000000
27750 (LIT+552)	1C000000	00481400	000C008A	C1C1E9E9	F2F8F0F0	F0F0F0F0
27768 (LIT+576)	F0F0F4F0	F0F0F0F0	F0F0F0F0	F2F3F0F0	F0F0F0F0	F0F0C4E4
27780 (LIT+600)	09C1E3C9	D60540D6	0940C1D9	C5C1E2C1	04D703C5	40E2C9E9
27798 (LIT+624)	C5404040	40C3D8D3	D3C5C3E3	40E2C9E9	C5404040	E2E4C2E2
27700 (LIT+648)	C104D7D3	C560C3D6	E405E3E3	D6E3C1D3	40C3D6E4	D9E3E2C1
277C8 (LIT+672)	04D703C5	40E6C5C9	C7C8E3E2	C4C2E2C1	04D740E6	C7C8E3E2
277E0 (LIT+696)	E3D6E3C1	D340E6C5	C9C7C8E3	C4C1E3C5	C3D5E5E3	C7C8E3E2

DISPLAY LITERALS (ASCII)

277E4 (LIT+716) *SEQUENCE ERROR OR DUPLICATE ENTRY IN PRELOAD FILE. PREVIOUS ENTRY WAS. CURRENT ENTRY IS PROGRAM ABENDED BECAUSE OF SORT RETURN CODE THERE WERE ENTRIES LOADED INTO TABLE SPECIES-NAME TABLE FROM-MFSPPTABLE CAPACITY FOR-NUMBER RECAPTURES EXCEEDED 3000.

27804 (LIT+840) *RPP-REACHED-AT-427 RECORDS - NO FURTHER RECORDS WILL BE RECAPTURED.

27904 (LIT+960) *INPUT - ERRORS MAY RESULT - NO FURTHER RECORDS WILL BE RECAPTURED.

27944 (LIT+1052) *ED 3000.

LIST OF VERBS GENERATING OUT OF LINE CODE

10.43.12 APR 3, 1984

NM100

5513 UNSTRING 02F894

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
70	
71	
72	
73	
74	
75	

STATISTICS SOURCE RECORDS = 6840 DATA DIVISION STATEMENTS = 3906 PROCEDURE DIVISION STATEMENTS = 1286

OPTIONS IN EFFECT SIZE = 262144 BUF = 30720 LINECT = 54 SPACE1, FLAGH, SEQ, SOURCE

OPTIONS IN EFFECT DMAP, NDRMAP, CLIST, SUPMAP, NOXREF, XREF, LOAD, NODECK, APOST, NOTRUNC, NOFLOW

OPTIONS IN EFFECT NOTERM, NONUM, NOBATCH, NONAME, COMPILE=01, NOSTATE, RESIDENT, NODYNAM, NOLIB, CSYNTAX

OPTIONS IN EFFECT OPTIMIZE, NOSYNDP, NOTEST, VERB, ZMB, SYST, NOENDJOB, NOLVL

OPTIONS IN EFFECT NOLST, NOFDECK, NOCODECK, LCOL2, L120, DUMP + NOADV, NOPRINT

OPTIONS IN EFFECT NOCOUNT, NOVBSUM, NOVBRF, LANGLVL(2)

STATISTICS SOURCE RECORDS = 6840 DATA DIVISION STATEMENTS = 3906 PROCEDURE DIVISION STATEMENTS = 1286

OPTIONS IN EFFECT SIZE = 262144 BUF = 30720 LINECT = 54 SPACE1, FLAGH, SEQ, SOURCE

OPTIONS IN EFFECT DMAP, NDRMAP, CLIST, SUPMAP, NOXREF, XREF, LOAD, NODECK, APOST, NOTRUNC, NOFLOW

OPTIONS IN EFFECT NOTERM, NONUM, NOBATCH, NONAME, COMPILE=01, NOSTATE, RESIDENT, NODYNAM, NOLIB, CSYNTAX

OPTIONS IN EFFECT OPTIMIZE, NOSYNDP, NOTEST, VERB, ZMB, SYST, NOENDJOB, NOLVL

OPTIONS IN EFFECT NOLST, NOFDECK, NOCODECK, LCOL2, L120, DUMP + NOADV, NOPRINT

OPTIONS IN EFFECT NOCOUNT, NOVBSUM, NOVBRF, LANGLVL(2)

STATISTICS SOURCE RECORDS = 6840 DATA DIVISION STATEMENTS = 3906 PROCEDURE DIVISION STATEMENTS = 1286

OPTIONS IN EFFECT SIZE = 262144 BUF = 30720 LINECT = 54 SPACE1, FLAGH, SEQ, SOURCE

OPTIONS IN EFFECT DMAP, NDRMAP, CLIST, SUPMAP, NOXREF, XREF, LOAD, NODECK, APOST, NOTRUNC, NOFLOW

OPTIONS IN EFFECT NOTERM, NONUM, NOBATCH, NONAME, COMPILE=01, NOSTATE, RESIDENT, NODYNAM, NOLIB, CSYNTAX

OPTIONS IN EFFECT OPTIMIZE, NOSYNDP, NOTEST, VERB, ZMB, SYST, NOENDJOB, NOLVL

OPTIONS IN EFFECT NOLST, NOFDECK, NOCODECK, LCOL2, L120, DUMP + NOADV, NOPRINT

OPTIONS IN EFFECT NOCOUNT, NOVBSUM, NOVBRF, LANGLVL(2)

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

MM100

10.43.12

APR 3, 1984

DATA NAME REFERENCE LIST

DATA NAME	DEFN	REFERENCES	DATA NAME	DEFN	REFERENCES
ADJUST-ZERO-DATE	1424	6050-6055	ANL-DISTANCE29	0763	4926 4928 5164
AGE-CONFLICT	1624	5854	ANL-DISTANCE29	1168	5164
AGE-LT-SPAN-MARK	1560	5892	ANL-DISTANCE3	0737	4822 4824 5164
AGE-STATUS-2	1122	6854	ANL-DISTANCE3	1142	5164
ANL-AGE	0728	4806 4807 5164	ANL-DISTANCE30	0764	4930 4932 5164
ANL-AGE	1133	5164	ANL-DISTANCE30	1169	5164
ANL-AGE-R	1134	5820 5830-5851-5852	ANL-DISTANCE4	0738	4826 4828 5164
ANL-DIST	1171	5758 5775 5776 5778 5791	ANL-DISTANCE4	1143	5164
		5793 5817 5878 5883	ANL-DISTANCE5	0739	4830 4832 5164
ANL-DIST-ERROR	1537	5828	ANL-DISTANCE5	1144	5164
ANL-DISTANCE1	0735	4814 4816 5164	ANL-DISTANCE6	0740	4834 4836 5164
ANL-DISTANCE1	1140	5164	ANL-DISTANCE6	1145	5164
ANL-DISTANCE10	0744	4950 4852 5264	ANL-DISTANCE7	0741	4838 4840 5164
ANL-DISTANCE10	1149	5164	ANL-DISTANCE7	1146	5164
ANL-DISTANCE11	0745	4854 4856 5164	ANL-DISTANCE8	0742	4842 4844 5164
ANL-DISTANCE11	1150	5164	ANL-DISTANCE8	1147	5164
ANL-DISTANCE12	0746	4958	ANL-DISTANCE9	0743	4846 4848 5164
ANL-DISTANCE13	1151	5164	ANL-DISTANCE9	1148	5164
ANL-DISTANCE13	0747	4862 4864 5164	ANL-LTH-TO-EDGE	0730	4799 4801 4804 4805 5164
ANL-DISTANCE13	1152	5164	ANL-LTH-TO-EDGE	1135	5164 5788 5820
ANL-DISTANCE14	0748	4866 4868 5164	ANL-LTH-TO-EDGE-ERR	1558	5799
ANL-DISTANCE14	1153	5164	ANL-LTH-TO-EDGE-R	1136	5776 5778 5797
ANL-DISTANCE15	0749	4870 4872 5164	ANL-MARGIN-INCR	0732	4809 4811 5164
ANL-DISTANCE15	1154	5164	ANL-MARGIN-INCR	1137	5164 5788
ANL-DISTANCE16	0750	4874 4876 5164	ANL-MARGIN-INCR-R	1138	5774 5778 5786 5793 5796
ANL-DISTANCE16	1155	5164	ANL-SPWN	1665	5820
ANL-DISTANCE17	0751	4978 4880 5164	ANNULLUS-RECORD	0609	4615 5163 6087
ANL-DISTANCE17	1156	5164	ARRANGE-HOLD-AREA	1412	5022 5025
ANL-DISTANCE18	0752	4882 4884 5164	ARRANGE-LAST	1417	5011 5021 5030 5031
ANL-DISTANCE18	1157	5164	ARRANGE-LIMIT	1416	5007 5017 5031
ANL-DISTANCE19	0753	4886 4888 5164	ARRANGE-SSI	1414	5011 5015 5019 5021 5022
ANL-DISTANCE19	1158	5164	ARRANGE-SS2	1415	5023
ANL-DISTANCE20	0754	4890 4892 5164	ARRANGE-SS2	1415	5016 5017 5019 5023
ANL-DISTANCE20	1159	5164	CAUSE-ABERID	0110	4594 4960 5926
ANL-DISTANCE21	0755	4894 4896 5164	CHK	0117	6720 6743 6778 6784
ANL-DISTANCE21	1160	5164	CNV1-ALPHA-ABBRV	1268	5982
ANL-DISTANCE22	0756	4898 4900 5164	CNV1-ALPHA-DATE	1278	5982
ANL-DISTANCE22	1161	5164	CNV1-DAY-OF-THE-WEEK	1282	5982
ANL-DISTANCE23	0757	4902 4904 5164	CNV1-JULIAN5	1224	5982
ANL-DISTANCE23	1162	5164	CNV1-JULIAN7	1230	5982
ANL-DISTANCE24	0758	4906 4908 5164	CNV1-MDY6	1236	5982
ANL-DISTANCE24	1163	5164	CNV1-MDY8	1243	5982
ANL-DISTANCE25	0759	4910 4912 5164	CNV1-SDN	1222	5982 5992-5995 6057
ANL-DISTANCE25	1164	5164	CNV1-YMD6	1252	5980 5993 6055
ANL-DISTANCE26	0760	4914 4916 5164	CNV1-YMD8	1259	5982
ANL-DISTANCE26	1165	5164	CODE4-DATA-FOUND-SM	0154	6400 6582
ANL-DISTANCE27	0761	4918 4920 5164	COLLECT-SIZ	1463	5496
ANL-DISTANCE27	1166	5164	CONV-D-LEN	0212	5793 5796 5797
ANL-DISTANCE28	0762	4922 4924 5164	CONVERT-FIELD	1385	5471 5475 5510 5513 5570
ANL-DISTANCE28	1167	5164			

DATA NAME REFERENCE LIST

10.43.12 APR 3, 1984

NM100

DATA NAME	DEFN	REFERENCES	DATA NAME	DEFN	REFERENCES
CONVERTED-DECIMAL-12	1387	5579-5588	EDIT-REJECT-ERROR-SM	0148	5188 5223
DASH	0118	5474 5478 5504 5518 5573	END-OF-ENVIR-PRELOAD	1360	4567 4581
DATE-MODIFIED	1063	5582 5591	END-OF-LIST	0166	5445 5453
DATE-MODIFIED	1072	5201-6088 6106-6819	END-OF-LIST-SM	0165	5369 5462 5468
DATE-MODIFIER	1098	5239	END-OF-MASTER	0801	4948 5073 5096
DATE-MODIFIER	1131	5249	END-OF-TRANS	0599	4574 4620 4948 5073
DATE-MODIFIED	1176	5254	ENVIR-AIR-TEMP	0651	5152
DATE-MODIFIED	1201	5264	ENVIR-AIR-TEMP	1043	5152
DATE-PROGRAM	0128	5986 5987	ENVIR-ALLOWED-ACT	0668	5152
DATE-RECL-REC9-ERROR	1626	6008 6062	ENVIR-ALLOWED-ACT	1060	5152
DATECALC-LINK43F	1219	5987	ENVIR-ALPHA-GRID	0638	5152
DAY-OUT-CONFLICT	1702	6036	ENVIR-ALPHA-GRID	0919	5152
DAYS-OUT	0775	4940 4942 5167	ENVIR-BAROMETER	0661	5152
DAYS-OUT	1194	5167-6017-6030-6033-6036	ENVIR-BAROMETER	1053	5152
DAYS-OUT-R	1195	6027	ENVIR-BOTTOM-DO	0658	5152
DEC-CHECK-FLD	0294	5393	ENVIR-BOTTOM-DO	1050	5152
DEC-CK-1	0295	5417	ENVIR-BOTTOM-PROFILE	0649	4722 4723-5152
DEC-CK-2	0296	5419	ENVIR-BOTTOM-PROFILE	1041	5152
DEC-CK-3	0297	5421	ENVIR-BOTTOM-SALIN	0655	5152
DEC-CK-4	0298	5423	ENVIR-BOTTOM-SALIN	1047	5152
DEC-CNT	0293	5394 5396 5418 5420 5422	ENVIR-BOTTOM-TEMP	0653	5152
DECFEASE-SM	0156	5801-5885	ENVIR-BOTTOM-TEMP	1045	5152
DETAIL-LINE-WRITTEN	0153	6095 6139	ENVIR-BOTTOM-TYPE	0648	4720 4721-5152
DETAIL-LINE-WRITTEN-SM	0152	4563 4699 5108 6134 6145	ENVIR-CONDUCT	0656	5152
DIST-TRAVELED	0776	6258-6307-6335-6370-6531	ENVIR-CONDUCT	1040	5152
DIST-TRAVELED-ERR	1705	5167 5172 5972 5975	ENVIR-CURRENT	0664	5152
DUMMY-RD-DEF	0144	5091	ENVIR-CURRENT-DIRECT	1056	5152
DUP-INDIV-CNT6	0303	4966 5101 5135	ENVIR-CURRENT-SPEED	0665	5152
DUP-INDIV-CNT7	0308	4629 4657	ENVIR-DATE	0629	5152
DUP-INDIV-LTH6	0304	4658	ENVIR-DEPTH	0898	5152
DUP-INDIV-LTH7	0309	4671	ENVIR-DEPTH	0650	4724 4725 5152
DUP-INDIV-MATT	0311	4673	ENVIR-DURATION-ERR	1042	5152
DUP-INDIV-RECORD6	0610	4623	ENVIR-DURATION-ERR	1651	5405
DUP-INDIV-RECORD7	0611	4634	ENVIR-DURATION-OR-AREA	1647	5407
DUP-INDIV-SX7	0310	4672	ENVIR-DURATION-OR-AREA	0641	4706 4707 5152
DUP-RECORD-DESC	0300	4624 4635	ENVIR-END-TIME	0923	5152 5392-5393-5402-5405
DUP-TAG-RECAPT	0579	6784	ENVIR-END-TIME	0640	5152
DUPLCATE-INDIV-RECS	1520	6608	ENVIR-END-TIME	0922	5152
EDIT-ERROR-SM	0145	4692 5271 5276 5290 5364	ENVIR-GEAR-PARM1	0643	4710 4711 5152
		5379 5387-5397 5404 5411	ENVIR-GEAR-PARM2	1035	5152
		5480 5485 5494 5525 5530	ENVIR-GEAR-PARM2	0644	4712 4713 5152
		5538 5546 5554 5575 5584	ENVIR-GEAR-PARM2	1036	5152
		5593 5603 5614 5632 5639			
		5646 5653 5664 5671 5691			
		5701 5709 5716 5721 5728			
		5734-5740 5749 5783 5798			

MM100

10.43.12

APR 3, 1984

DATA NAME REFERENCE LIST

DATA NAME	DEFN	REFERENCES	DATA NAME	DEFN	REFERENCES
ENVIR-GEAR-PARM3	0645	4714-4715 5152	EOF-LATIN	0172	4977
ENVIR-GEAR-PARK3	1037	5152	EOF-LATIN-SM	0171	4992 5004
ENVIR-GEAR-TYPE	0642	4691 4693 4701 4708 4709	EPL-IX	1377	4566 4569 4586 4588 4597
ENVIR-GEAR-TYPE	0924	5152 5412	ERR-DAYS-DIFF	1639	6029
ENVIP-GEAR-TYPE-R	0925	5366	ERR-DAYS-OUT	1637	6030
ENVIR-GRID	0916	5272	ERR-DISTANCE-TRAVELED	1710	5975
ENVIR-LATITUDE	0632	5152	ERR-ENVIR-DATE	1630	6007 6061
ENVIR-LATITUDE	0912	5152	ERR-MSG-CODE	1517	6291 6562
ENVIR-LOC-NOT-FOUND	1608	5381	ERR-MSG-GRID	1469	5272
ENVIR-LONGITUDE	0633	5152	ERR-MSG-LTH	1526	6631
ENVIR-LONGITUDE	0913	5152	ERR-MSG-REPS	1454	6308
ENVIR-NON-ZERO-GEAR	1653	5413	ERR-MSG-SPECS	1477	6336
ENVIR-NUMBER-REPLIC	0669	5152	ERR-MSG-SUBSAM	1536	6374
ENVIR-NUMBER-REPLIC	1061	5152 5409 6260	ERR-PRT-LINE	0081	6135 6141 6146 6153 6154
ENVIR-NUMBER-GRID	0637	5152	ERR-RECAPT-DATE	1632	6006 6060
ENVIR-NUMBER-GRID	0917	5152	ERR-SPE-CNTR	1685	6426 6439 6452 6465
ENVIR-NO-GEAR	1657	5412	ERR-TAG-CNTR	1683	6425 6438 6451 6464
ENVIR-PH	0659	5152	ERR-TAG-TYPE	1677	5967
ENVIR-PH	1051	5152	ERR-TAG-TYPX	1687	6427 6440 6453 6466
ENVIP-PRELOAD-FILE	0028	4561 4572 4579	ERROR-RPT	0034	4562 5064 6135 6141 6146
ENVIP-PRELOAD-REG	0046	4579	FLD-NAME-IN-ERR	1447	5398 5481 5486 5526 5531
ENVIR-QUAD	0639	5152	FLD-NOT-NUMERIC-ERR	1446	5399 5482 5487 5527 5532
ENVIR-QUAD	0921	5152	FORM-OF-RECORD-TYPE-IV-ERR	1714	5672
ENVIR-RECORD	0605	4603 4651-5151	GEAR-TYPEX	1570	5366
ENVIR-RIG	0646	4716 4717 5152	GRID-NOT-FORMATTED	1465	5273
ENVIR-RIG	1038	5152	GRID-PROG	0021	5269
ENVIR-START-LOG	0631	4686	HOLD-CONVERSION	1388	5504 5509 5518
ENVIR-START-LOG	0907	5389	IND-AGE-STAT-ERR	1564	5848
ENVIR-START-LOG-R	0914	5371	INDIV-AGE	0720	4789 4791 5161
ENVIR-STAT-NUMBER	0630	4685-5152	INDIV-AGE	1124	5161 5696 5704 5712 5727
ENVIR-STAT-NUMBER	0906	5152 5372 5388 5440 5458	INDIV-AGE	1124	5161 5696 5704 5712 5727
ENVIR-STAT-NUMBER	0667	4726-4727 5152	INDIV-AGE-INCONSIS	1587	5702 5710 5717
ENVIP-STATE-ALTER	1059	5152	INDIV-AGE-R	1125	5687 5719
ENVIP-STATE-ALTER	0657	5152	INDIV-AGE-STAT-ERR2	1589	5722
ENVIR-SURFACE-DR	1049	5152	INDIV-AGE-STAT-ERR3	1591	5729
ENVIR-SURFACE-SALIN	0654	5152	INDIV-AGE-STAT-ERR4	1593	5735
ENVIR-SURFACE-SALIN	1046	5152	INDIV-AGE-STATUS	0718	5161
ENVIP-SURFACE-TFMP	0652	5152	INDIV-AGE-STATUS	1121	5161 5696 5704 5712 5719
ENVIP-SURFACE-TFMP	1044	5152	INDIV-AGE-STRUCTURE	0719	5161
ENVIP-TYPE-OF-TOW	0647	4718 4719 5152	INDIV-AGE-STRUCTURE	1123	5161 5696 5704 5712
ENVIP-TYPE-OF-TOW	1039	5152	INDIV-CNT	0702	4657 4670 4781 4783 5161
ENVIR-WATER-LEVEL	0666	5152	INDIV-CNT	1100	5161
ENVIR-WATER-LEVEL	1058	5152	INDIV-CNT-R	1101	6567 6580
ENVIP-WEATHER	0660	5152	INDIV-COUNT-ERR	0705	4628 4639
ENVIP-WEATHER	1052	5152	INDIV-DETAILS	1105	6988 6981
ENVIR-WEATHER	0662	5152			
ENVIP-WIND-DIRECT	1054	5152			
ENVIP-WIND-DIRECT	0663	5152			
ENVIR-WIND-SPEED	1055	5152			
ENVIR-WIND-SPEED	0899	5152			

IN100

10.43.12

APR 3, 1984

DATA NAME REFERENCE LIST

DATA NAME	DEFN	REFERENCES	DATA NAME	DEFN	REFERENCES
NRR-BEFORE-UPDATE	0191	5045-5097	PROGRAM-060	0832	5294
NRR-OCCUP-S-ENVIR-PRELOAD	1374	4569	PROGRAM-100	0833	5294
NRR-RECS-ADDED	0188	5047 5140	PROGRAM-105	0834	5294
NRR-RECS-CHG	0189	5048 5232	PROGRAM-110	0835	5294
NRR-RECS-DEL	0190	5049 6071	PROGRAM-115	0836	5294
NRR-TAGGED-ERR	1585	5665	PROGRAM-120	0837	5294
NEW-MAST	0032	4962-5064 6197	PROGRAM-125	0838	5294
NEWMAST-REC	0067	6197	PROGRAM-126	0839	5294
NM100REC	0597	4600 4602 4645 4665 4680	PROGRAM-130	0840	5294
		4947 5104 5106	PROGRAM-150	0841	5294
NM110REC	0792	4700 5093 5095 5100 5136	PROGRAM-160	0842	5294
		5726 6197 6227 6230 6233	PROGRAM-170-OR-180	0843	5294
		6239 6242 6245 6316 6317	PROGRAM-175	0844	5294
		6319 6344 6345 6347 6384	PROGRAM-300	0845	5294
		6385 6387 6393 6394 6396	PROGRAM-320	0846	5294
		6429 6430 6432 6442 6443	PROGRAM-330	0847	5294
		6445 6455 6456 6458 6468	PROGRAM-340	0848	5294
		6469 6471 6525 6526 6528	PROGRAM-350	0849	5294
		6537 6538 6540	PROGRAM-400	0850	5294
NO-CODE4-DATA-FOUND	0155	6389	PROGRAM-400-TD-499	0824	5372
NO-DECREASE	0157	5826	PROGRAM-410	0851	5294
NO-REF	1442	5183 5187	PROGRAM-420	0852	5294
NDH-NUMERIC-GEAR	1615	4694	PROGRAM-421-OR-422	0853	5294
NOM-SEQ-INDIV-REC	0583	6778 6796	PROGRAM-430-OR-440	0854	5294
NOM-SEQ-TAG-RECAPT	0581	6790 6808	PROGRAM-431-OR-441	0855	5294
NONEQUAL-LTH-AND-MARGIN	1604	5824	PROGRAM-432-OR-442	0856	5294
NOT-ADD	1431	5218	PROGRAM-433-OR-443	0857	5294
NOT-CHG	1432	5182	PROGRAM-434-OR-444	0858	5294
NOT-DEL	1433	5186	PROGRAM-435-OR-445	0859	5294
NUM-OF-SPAWN-MARKS	0767	4934 4936 5164	PROGRAM-436-OR-446	0860	5294
NUM-OF-SPAWN-MARKS	1172	5164-5870	PROGRAM-437-OR-447	0861	5294
NUM-OF-SPAWN-MARKS-R	1173	5864 5866	PROGRAM-438	0862	5294
NUM-SPEC-REC	1475	6337	PROGRAM-450	0863	5294
NUM-INDIV-PEGS	0210	6371 6375 6477 6567 6580	PROGRAM-460	0864	5294
NUM-REP-RECS	0196	6266 6268 6306 6320	PROGRAM-470	0865	5294
NUMB-SPEC-KFCS	0198	6277 6279 6334 6337 6348	PROGRAM-500	0866	5294
NUMBR-DECFINAL	1391	5511	PROGRAM-510	0867	5294
NUMBER-OF-FIELDS	1394	5509 5513	PROGRAM-530	0868	5294
NUMBER-UNITS	1390	5511	PROGRAM-540	0869	5294
NUMBR-INDIV-RECK	1534	6375	PROGRAM-550	0870	5294
OCCURRENCE-CODE-3	0208	6521 6542 6597 6599 6606	PROGRAM-600-TD-699	0825	5372
		6611 6614	PROGRAM-610	0871	5294
OLDMAST-REC	0029	4961 5064 5093	PROGRAM-615	0872	5294
PROG-NUMBRX	0053	5093 5095 5100	PROGRAM-618	0873	5294
PROGRAM-TYPE	1572	5365	PROGRAM-620	0874	5294
PROGRAM-TYPE	0628	4684-5152	PROGRAM-630	0875	5294
PROGRAM-TYPE	0819	5152	PROGRAM-650	0876	5294
PROGRAM-TYPE-R	0820	5365	PROGRAM-660	0877	5294
PROGRAM-000-TD-699	0823	5287	PROGRAM-670	0878	5294
PROGRAM-050	0829	5294	PROGRAM-680	0879	5294
PROGRAM-080	0830	5294	PROGRAM-690	0880	5294
PROGRAM-085	0831	5294	PROGRAM-700	0881	5294

HW100

10.03.12

APR 3, 1984

DATA NAME REFERENCE LIST

DATA NAME	DEFN	REFERENCES	DATA NAME	DEFN	REFERENCES
PROGRAM-700-T0-799	0826	5287 5372	REPORT1-HEAD2	0331	6124
PROGRAM-705	0882	5294	REPORT1-TOTAL-LINE1	0388	5052
PROGRAM-710	0883	5294	REPORT1-TOTAL-LINE2	0394	5054
PROGRAM-715	0884	5294	REPORT1-TOTAL-LINE3	0400	5056
PROGRAM-720	0885	5294	REPORT1-TOTAL-LINE4	0406	5058
PROGRAM-725	0886	5294	REPORT1-TOTAL-LINE5	0412	5060
PROGRAM-730	0887	5294	REPORT1-TOTAL-LINE6	0418	5062
PROGRAM-735	0888	5294	REPORT2-COL-HEAD1	0450	6155
PROGRAM-740	0889	5294	REPORT2-COL-HEAD2	0464	6157
PROGRAM-745	0890	5294	REPORT2-DETAIL-LINE	0478	6135 6146
PROGRAM-750	0891	5294	REPORT2-HEAD1	0430	6153
PROGRAM-755	0892	5294	REPORT2-HEAD2	0441	6154
PROGRAM-760	0893	5294	REPORT3-COL-HEAD1	0525	6834
PROGRAM-765	0894	5294	REPORT3-COL-HEAD2	0539	6836
PROGRAM-770	0895	5294	REPORT3-COL-HEAD3	0553	6838
PROGRAM-775	0896	5294	REPORT3-DETAIL-LINE	0561	6824 6826
PROGRAM-900-T0-999	0828	5287	REPORT3-HEAD1	0505	6832
PROGRAM-930	0897	5372	REPORT3-HEAD2	0516	6833
READ-MS1R	0135	5069	REPS-DONT-MATCH	1450	6313
READ-MS1R-SM	0134	4965 5085 6074 6077	ROLL-OUT-AREA	0285	6316 6319 6344 6347 6384
READ-TRAN	0137	5071			
READ-TRAN-SM	0136	4965 5107-5126-5206			
REC-ADD	1436	5162			
REC-ALREADY	1443	5219			
REC-CHG	1437	5234			
REC-DEL	1438	6070			
REC-REJECT-TOT	0187	5044 6091	RP-COLLECT-SIZE	0671	4732 4734 4737 5155
RECAP-T-DAYS-OUT-ERR	1633	6031	RP-COLLECT-SIZE-CNVRT	1065	5155 5475
RECAPTURE-DATE	0772	5167	RP-NUMBER-SPECIES	0675	5155 5496
RECAPTURE-DATE-R	1184	5167	RP-NUMBER-SPECIES	1069	5155 6263
RECAPTURE-DATE-R	1188	5896 5990 6006-6012-6050	RP-QUALITY	0676	5155
RECAPTURE-GEAR	0774	5167	RP-QUALITY	1070	5155
RECAPTURE-GEAR	1193	5167	RP-SAMPLE-SIZE	0673	4738 4740 4743 5155
RECAPTURE-LENGTH	0777	5167	RP-SAMPLE-SIZE	1067	5155 5471
RECAPTURE-LENGTH	1197	5167	RP-SAMPLE-SIZE-CNVRT	1397	5474 5479 5489 5495
RECAPTURE-LDC	0773	5167	RPT-NBR-AFTER-UPD	0420	5046
RECAPTURE-LDC	1192	5167 5972	RPT-NBR-REFORE-UPD	0340	5045
RECAPTURE-WEIGHT	0778	5167	RPT-NBR-RECS-ADDED	0396	5047
RECAPTURE-WEIGHT	1198	5167	RPT-NBR-RECS-CHG	0402	5048
RECORD-TYPE	0604	4627 4638 4696 5118 5138	RPT-NBR-RECS-DEL	0408	5049
RECORD-TYPE	0793	4696 5118 5138-5192-5230	RPT-REJECT-TOT	0414	5044
RECORD-TYPE	0698	6195 6593	RPT-DASH	0377	5201 5203 6088 6090 6819
RECORD-TYPE	0606	4606 5154	RPT-DATA	0386	6115
REPLICATE-NUMBER	0618	4652 4695 5137-5229-6083	RPT-ERROR	0384	5179 5183 5187 5198 5219
REPLICATE-NUMBER	0806	4695 5137 5194 5229 5669	RPT-LINE-NBR	0380	5197 6086
REPLICATE-NUMBER	0340	6100 6275 6324 6593 6813	RPT-MESSAGE	0382	5142 5178 5182 5186 5218
REPORT1-COL-HEAD1	0353	6127	RPT-REC-TYPE	0370	5192 6081
REPORT1-COL-HEAD2	0368	6116	RPT-REP-NBR	0374	5194 6083
REPORT1-DETAIL-LINE	0320	6123	RPT-SEQ-NBR	0372	5193 6082
REPORT1-HEAD1			RPT-SPECIES-CODE	0376	5195 6084
			RPT-SPECIES-STATUS	0378	5196 6085

HW100

10.43.12

APR 3, 1984

DATA NAME REFERENCE LIST

DATA NAME	DEFN	DEFN REFERENCES	DATA NAME	DEFN	DEFN REFERENCES
RPT2-DASH	0487	6106-6108	SAVE-INDIV-AGE-STATUS	0219	5844 5845 6186 6188 6503
RPT2-DETAIL-LINEZ	0495	6141	SAVE-INDIV-KEY	0259	6530 6535 6555
RPT2-EPR-MSG	0492	4694 5273 5277 5291 5367	SAVE-INDIV-LINE	0260	6749 6752 6763
		5381 5390 5399 5407 5413	SAVE-INDIV-LINE-R	0261	6775
		5482 5487 5497 5527 5532	SAVE-INDIV-LTH	0207	6285 6477 6628 6631
		5543 5548 5559 5577 5586	SAVE-INDIV-SPAHN-MARK	0265	5869
		5595 5606 5617 5633 5640	SAVE-INDIV-SPAHN-MARK-R	0266	5864 5866
		5647 5654 5665 5672 5692	SAVE-NUM-REPS	0195	6260 6306 6308 6320
		5702 5710 5717 5722 5729	SAVE-NUM-SPECIES	0197	6263 6334 6336 6348
		5735 5742 5750 5784 5799	SAVE-NUM-SUBSAMPLES	0206	6271 6371 6374 6477
		5824 5828 5833 5848 5854	SAVE-REPLIC	0237	6230 6343 6345 6349
		5871 5904 5968 5976 6008	SAVE-REPLIC-KEY	0239	6426
		6014 6031 6037 6046 6062	SAVE-SPE-NUMBR-TAGGED1	0249	6426 6452
		6140 6222 6292 6313 6338	SAVE-SPE-NUMBR-TAGGED1-R	0250	6420 6421 6446 6447
		6376 6391 6428 6441 6454	SAVE-SPE-NUMBR-TAGGED2	0253	6439 6465
		6467 6524 6533 6563 6570	SAVE-SPE-NUMBR-TAGGED2-R	0254	6433 6434 6459 6460
		6608 6620 6624 6632 6636	SAVE-SPE-TAG1	0248	5946 5955 6421 6427 6447
		6645	SAVE-SPE-TAG2	0252	5946 5955 6434 6440 6460
RPT2-LINE-NBR	0490	6103	SAVE-SPEC-CODE	0199	6273 6288 6291 6476 6559
RPT2-REC-TYF	0480	6098	SAVE-SPECIES	0241	6233 6383 6385 6392 6394
RPT2-REP-NBR	0484	6100	SAVE-SPECIES-KEY	0243	6739
RPT2-SFG-NBR	0482	6099	SAVE-TAG-NO	0211	6284
RPT2-SPECIES-CODE	0486	6101	SAVE-TAG-RECAPT	0246	6245
RPT2-SPECIES-STATUS	0488	6102	SAVE-TAG-RECAPT-KEY	0278	6756 6759
RPT3-LINE-NBR	0571	6816	SAVE-TAG-RECAPT-LINE-R	0281	6787
RPT3-REP-NBR	0565	6813	SAVE-TAG-RECAPT-TAG1	0220	5946 5949 5952 6421 6434
RPT3-SEQ-NBR	0563	6812	SAVE-TAG-RECAPT-TAG2	0221	5950 5953 6421 6425 6434
RPT3-SPECIES-CODE	0567	6814	SAVE-TAG-RECAPT-TAG2-CNTR	0222	6474
RPT3-SPECIES-STATUS	0569	6815	SAVE-TAG-RECAPT-TAG2-CNTR	0223	5960 5964 6447 6451 6460
R1-LINE-CNT	0112	5050 6113 6118 6129	SON-DATE-DIFF	0216	6019 6027 6029
R1-PAGE-CNT	0111	6121-6122	SON-ENVR-DATE	0215	5995 6003 6019 6058
R1-PAGE-NO	0328	6122	SON-RECAPT-DATE	0214	5992 6003 6010 6017 6019
R1-RUN-DATE	0337	4964	SEARCH-ENVR-PROGRAM-TYPE	1354	4684
R2-LINE-CNT	0114	6137-6137-6143-6148-6159	SEARCH-ENVR-START-LDC	1355	4686
R2-PAGE-CNT	0113	6151 6152	SEARCH-ENVR-START-NUM	1356	4685
R2-PAGE-NO	0438	6152	SEARCH-ENVR-STAT-KEY	1357	4686
R2-RUN-DATE	0447	4564	SEARCH-ENVR-STAT-NUM	1358	4686
R3-LINE-CNT	0116	6822 6827 6840	SEARCH-ENVR-START-TYPE	1359	4684
R3-PAGE-CNT	0115	6830 6831	SEARCH-ENVR-START-LDC	1360	4685
R3-PAGE-NO	0513	6831	SEARCH-ENVR-START-NUM	1361	4686
R3-RUN-DATE	0522	4964	SEARCH-ENVR-STAT-KEY	1362	4686
SAMPLE-FXCEDS-COLLECTION	1456	5497	SEARCH-ENVR-STAT-NUM	1363	4686
SAMPLE-SIZ	1461	5495	SEARCH-ENVR-STAT-TYPE	1364	4686
SAMPLE-SIZE-FXC-COLLECTION	1688	5559	SEARCH-ENVR-STAT-LDC	1365	4686
SAMPLE-WGT-FXCEDS-TOTAL	1505	5617	SEARCH-ENVR-STAT-NUM	1366	4686
SAVE-ANNULUS	0269	6242	SEARCH-ENVR-STAT-KEY	1367	4686
SAVE-ENVIR	0224	6227 6315 6317 6321	SEARCH-ENVR-STAT-TYPE	1368	4686
SAVE-ENVIR-DATF-R	0232	5896 5933 6007 6013 6061	SEARCH-ENVR-START-LDC	1369	4686
SAVE-ENVIR-KEY	0226	6716	SEARCH-ENVR-START-NUM	1370	4686
SAVE-INDIV	0257	5726 6259 6526 6536 6538	SEARCH-ENVR-STAT-KEY	1371	4686
SAVE-INDIV-AGE-R	0264	5851 5852	SEARCH-ENVR-STAT-NUM	1372	4686
			SEARCH-ENVR-STAT-TYPE	1373	4686
			SEARCH-ENVR-START-LDC	1374	4686
			SEARCH-ENVR-START-NUM	1375	4686
			SEARCH-ENVR-STAT-KEY	1376	4686
			SEARCH-ENVR-STAT-TYPE	1377	4686
			SEARCH-ENVR-START-LDC	1378	4686
			SEARCH-ENVR-START-NUM	1379	4686
			SEARCH-ENVR-STAT-KEY	1380	4686
			SEARCH-ENVR-STAT-TYPE	1381	4686
			SEARCH-ENVR-START-LDC	1382	4686
			SEARCH-ENVR-START-NUM	1383	4686
			SEARCH-ENVR-STAT-KEY	1384	4686
			SEARCH-ENVR-STAT-TYPE	1385	4686
			SEARCH-ENVR-START-LDC	1386	4686
			SEARCH-ENVR-START-NUM	1387	4686
			SEARCH-ENVR-STAT-KEY	1388	4686
			SEARCH-ENVR-STAT-TYPE	1389	4686
			SEARCH-ENVR-START-LDC	1390	4686
			SEARCH-ENVR-START-NUM	1391	4686
			SEARCH-ENVR-STAT-KEY	1392	4686
			SEARCH-ENVR-STAT-TYPE	1393	4686
			SEARCH-ENVR-START-LDC	1394	4686
			SEARCH-ENVR-START-NUM	1395	4686
			SEARCH-ENVR-STAT-KEY	1396	4686
			SEARCH-ENVR-STAT-TYPE	1397	4686
			SEARCH-ENVR-START-LDC	1398	4686
			SEARCH-ENVR-START-NUM	1399	4686
			SEARCH-ENVR-STAT-KEY	1400	4686
			SEARCH-ENVR-STAT-TYPE	1401	4686
			SEARCH-ENVR-START-LDC	1402	4686
			SEARCH-ENVR-START-NUM	1403	4686
			SEARCH-ENVR-STAT-KEY	1404	4686
			SEARCH-ENVR-STAT-TYPE	1405	4686
			SEARCH-ENVR-START-LDC	1406	4686
			SEARCH-ENVR-START-NUM	1407	4686
			SEARCH-ENVR-STAT-KEY	1408	4686
			SEARCH-ENVR-STAT-TYPE	1409	4686
			SEARCH-ENVR-START-LDC	1410	4686
			SEARCH-ENVR-START-NUM	1411	4686
			SEARCH-ENVR-STAT-KEY	1412	4686
			SEARCH-ENVR-STAT-TYPE	1413	4686
			SEARCH-ENVR-START-LDC	1414	4686
			SEARCH-ENVR-START-NUM	1415	4686
			SEARCH-ENVR-STAT-KEY	1416	4686
			SEARCH-ENVR-STAT-TYPE	1417	4686
			SEARCH-ENVR-START-LDC	1418	4686
			SEARCH-ENVR-START-NUM	1419	4686
			SEARCH-ENVR-STAT-KEY	1420	4686
			SEARCH-ENVR-STAT-TYPE	1421	4686
			SEARCH-ENVR-START-LDC	1422	4686
			SEARCH-ENVR-START-NUM	1423	4686
			SEARCH-ENVR-STAT-KEY	1424	4686
			SEARCH-ENVR-STAT-TYPE	1425	4686
			SEARCH-ENVR-START-LDC	1426	4686
			SEARCH-ENVR-START-NUM	1427	4686
			SEARCH-ENVR-STAT-KEY	1428	4686
			SEARCH-ENVR-STAT-TYPE	1429	4686
			SEARCH-ENVR-START-LDC	1430	4686
			SEARCH-ENVR-START-NUM	1431	4686
			SEARCH-ENVR-STAT-KEY	1432	4686
			SEARCH-ENVR-STAT-TYPE	1433	4686
			SEARCH-ENVR-START-LDC	1434	4686
			SEARCH-ENVR-START-NUM	1435	4686
			SEARCH-ENVR-STAT-KEY	1436	4686
			SEARCH-ENVR-STAT-TYPE	1437	4686
			SEARCH-ENVR-START-LDC	1438	4686
			SEARCH-ENVR-START-NUM	1439	4686
			SEARCH-ENVR-STAT-KEY	1440	4686
			SEARCH-ENVR-STAT-TYPE	1441	4686
			SEARCH-ENVR-START-LDC	1442	4686
			SEARCH-ENVR-START-NUM	1443	4686
			SEARCH-ENVR-STAT-KEY	1444	4686
			SEARCH-ENVR-STAT-TYPE	1445	4686
			SEARCH-ENVR-START-LDC	1446	4686
			SEARCH-ENVR-START-NUM	1447	4686
			SEARCH-ENVR-STAT-KEY	1448	4686
			SEARCH-ENVR-STAT-TYPE	1449	4686
			SEARCH-ENVR-START-LDC	1450	4686
			SEARCH-ENVR-START-NUM	1451	4686
			SEARCH-ENVR-STAT-KEY	1452	4686
			SEARCH-ENVR-STAT-TYPE	1453	4686
			SEARCH-ENVR-START-LDC	1454	4686
			SEARCH-ENVR-START-NUM	1455	4686
			SEARCH-ENVR-STAT-KEY	1456	4686
			SEARCH-ENVR-STAT-TYPE	1457	4686
			SEARCH-ENVR-START-LDC	1458	4686
			SEARCH-ENVR-START-NUM	1459	4686
			SEARCH-ENVR-STAT-KEY	1460	4686
			SEARCH-ENVR-STAT-TYPE	1461	4686
			SEARCH-ENVR-START-LDC	1462	4686
			SEARCH-ENVR-START-NUM	1463	4686
			SEARCH-ENVR-STAT-KEY	1464	4686
			SEARCH-ENVR-STAT-TYPE	1465	4686
			SEARCH-ENVR-START-LDC	1466	4686
			SEARCH-ENVR-START-NUM	1467	4686
			SEARCH-ENVR-STAT-KEY	1468	4686
			SEARCH-ENVR-STAT-TYPE	1469	4686
			SEARCH-ENVR-START-LDC	1470	4686
			SEARCH-ENVR-START-NUM	1471	4686
			SEARCH-ENVR-STAT-KEY	1472	4686
			SEARCH-ENVR-STAT-TYPE	1473	4686
			SEARCH-ENVR-START-LDC	1474	4686
			SEARCH-ENVR-START-NUM	1475	4686
			SEARCH-ENVR-STAT-KEY	1476	4686
			SEARCH-ENVR-STAT-TYPE	1477	4686
			SEARCH-ENVR-START-LDC	1478	4686
			SEARCH-ENVR-START-NUM	1479	4686
			SEARCH-ENVR-STAT-KEY	1480	4686
			SEARCH-ENVR-STAT-TYPE	1481	4686
			SEARCH-ENVR-START-LDC	1482	4686
			SEARCH-ENVR-START-NUM	1483	4686
			SEARCH-ENVR-STAT-KEY	1484	4686
			SEARCH-ENVR-STAT-TYPE	1485	4686
			SEARCH-ENVR-START-LDC	1486	4686
			SEARCH-ENVR-START-NUM	1487	4686
			SEARCH-ENVR-STAT-KEY	1488	4686
			SEARCH-ENVR-STAT-TYPE	1489	4686
			SEARCH-ENVR-START-LDC	1490	4686
			SEARCH-ENVR-START-NUM	1491	4686
			SEARCH-ENVR-STAT-KEY	1492	4686
			SEARCH-ENVR-STAT-TYPE	1493	4686
			SEARCH-ENVR-START-LDC	1494	4686
			SEARCH-ENVR-START-NUM	1495	4686
			SEARCH-ENVR-STAT-KEY	1496	4686
			SEARCH-ENVR-STAT-TYPE	1497	4686
			SEARCH-ENVR-START-LDC	1498	4686
			SEARCH-ENVR-START-NUM	1499	4686
			SEARCH-ENVR-STAT-KEY	1500	4686
			SEARCH-ENVR-STAT-TYPE	1501	4686
			SEARCH-ENVR-START-LDC	1502	4686
			SEARCH-ENVR-START-NUM	1503	4686
			SEARCH-ENVR-STAT-KEY	1504	4686
			SEARCH-ENVR-STAT-TYPE	1505	4686
			SEARCH-ENVR-START-LDC	1506	4686
			SEARCH-ENVR-START-NUM	1507	4686
			SEARCH-ENVR-STAT-KEY	1508	4686
			SEARCH-ENVR-STAT-TYPE	1509	4686
			SEARCH-ENVR-START-LDC	1510	4686
			SEARCH-ENVR-START-NUM	1511	4686
			SEARCH-ENVR-STAT-		

MM100

10.43.12

APR 3.1984

DATA NAME REFERENCE LIST

DATA NAME	DEFN	DEFN REFERENCES	DATA NAME	DEFN	DEFN REFERENCES
SEQUENCE-NUMBER	0803	5193 6099 6265-6275 6296	SPECIES-CODE-0	0200	6210-6221-6814
SORT-ACTION	0094	6503 6812	SPECIES-CODE-1-OR-2	0201	6560
SORT-FILE	0090	4550 5104	SPECIES-CODE-3	0202	6371 6566
SORT-KEY	0096	4550	SPECIES-CODE-4-OR-7	0203	6521 6576
SORT-REC	0093	4645 4646 4665 4666 4680	SPECIES-CODE-5	0204	6289 6371 6388 6579
		4681 5104	SPECIES-CODE-6	0205	6560
SORT-TYPE	0095	4550	SPECIES-CODE3-6-CNT	1102	6622
SPAM-CONFLICT	1659	5871	SPECIES-DONT-MATCH	1471	6338
SPE-INDIV-FORMAT-CODE	0695	5158	SPECIES-FOUND	0181	5943
SPE-INDIV-FORMAT-CODE	1090	5158 5669 6273	SPECIES-FOUND-SM	0180	6235 6484
SPE-NBR-TAGGED1	0697	4771 4773 5158	SPECIES-GROUP	0807	6630 6593
SPE-NBR-TAGGED1	1092	5158 5629 5636	SPECIES-GROUP-NOT-FOUND	1595	6222
SPE-NBR-TAGGED1-R	1093	5637	SPECIES-NUMBER	1408	4993 4995 5035
SPE-NBR-TAGGED2	0699	4775 4777 5158	SPECIES-NUMBER-R	1409	5019
SPE-NBR-TAGGED2-R	1095	5158 5643 5650	SPECIES-RECORD	0807	4609 5157 6087
SPE-SAMP-WGHTX	1503	5605	SPECIES-STATUS	0621	4695 5137 5229 6085
SPE-SAMPLE-CNT	0683	4734 4756 5158	SPECIES-STATUS	0809	4695 5137 5196 5229 6102
SPE-SAMPLE-CNT	1078	5158	STA-1-IX	3478	5427 5440
SPE-SAMPLE-CNT-R	1079	5529 5534 5539 5550 5555	STA-2-IX	4373	5445 5458 5461
		5662	STA-3-IX	4543	5453 5464 5467
SPE-SAMPLE-NBRX	1493	5555	START-LOC-ERROR	1581	5291
SPE-SAMPLE-WGHTX	1509	5615	START-LOC-0-TD-23	0910	5287
SPE-SAMPLE-WGT	0686	4758 4760 5158	START-LOC-26-TD-40	0908	5287
SPE-SAMPLE-WGT	1081	5158 5570	START-LDIX	1579	5389
SPE-SAMPLE-WGT-CNVRT	1399	5573 5574 5597 5605 5608	START-NBRX	1577	5388
		5615	STATION-FOUND	0164	5427 5445 5453
SPE-SUB-WGHTX	1501	5604	STATION-FOUND-SM	0162	5369 5442 5460 5466
SPE-SUBSAMPLE-CNT	0689	4762 4764 5158	STATION-NOT-FOUND	0163	5431 5436 5449
SPE-SUBSAMPLE-CNT	1084	5158 6271	STATION-1	3478	5440
SPE-SUBSAMPLE-CNT-R	1085	5524 5534 5541	STATION-2	4373	5458 5461
SPE-SUBSAMPLE-WGT	0692	4766 4768 5158	STATION-3	4543	5464 5467
SPE-SUBSAMPLE-WGT	1087	5158 5579	STATUS-NBR-ERR	1712	5750
SPE-SUBSAMPLE-WGT-CNVRT	1400	5582 5583 5597 5604	STRUC-ERR	0151	6767
		5615	STRUC-ERR-RPT	0035	4982 5064 6824 6832 6833
SPE-TAG-TYPE1	0696	5158	STRUC-ERR-SM	0150	6706 6719 6726 6742 6777
SPE-TAG-TYPE1	1091	5158 5628	STRUC-PRT-LINE	0088	6824 6832 6833 6834 6836
SPE-TAG-TYPE2	0698	5158	SUB-SIZE-EXCEEDS-SAMPLE	1479	5543
SPE-TAG-TYPE2	1094	5158 5642	SUB-WGT-EXCEEDS-SAMPLE	1497	5606
SPE-TOTAL-CNT	0679	4746 4748 5158	SUBSAMPLES-DONT-MATCH	1530	6376
SPE-TOTAL-CNT	1074	5158	TAB-ENVIR-PRELOAD-ENTRY	1377	4586 4687 4704
SPE-TOTAL-CNT-R	1075	5545 5550 5557	TAB-ENVIR-PRELOAD-KEY	1380	4597
SPE-TOTAL-NBRX	1495	5557	TAG-AND-SPE-CNT-ERROR	1679	6428 6441 6454 6467
SPE-TOTAL-WGT	0681	4750 4752 5158	TAG-MATCHED	0174	5907 5914
SPE-TOTAL-WGT	1076	5158 5588	TAG-MATCHED-SM	0173	5915 6044
SPE-TOTAL-WGT-CNVRT	1401	5501 5592 5608 5616	TAG-NBR-ERROR	1645	5741 5903
SPE-TOTL-WGHTX	1511	5616	TAG-NBR-ERRR	1671	6045
SPEC-CODE	1600	6221	TAG-NUMBR-ERRR	1671	6045
SPEC-CONFLICT	1486	5539	TAG-NUMBER	0770	5167
SPEC-SUBSAMPLE-NBRX	1484	5541			
SPECIES-CODE	0620	4695 5137 5229 6084			
SPECIES-CODE	0808	4695 5137 5196 5229 6102			

WM100

10-43.12

APR 3, 1984

DATA NAME REFERENCE LIST

DATA NAME	DEFN	REFERENCES	DATA NAME	DEFN	REFERENCES
TAG-NUMBER	1178	5167 5903 5913 5929 6041			
TAG-NUMBER-ALPHAB	1180	6045			6235 6290 6314 6342 6382
TAG-NUMBER-DIGIT	1182	5900			6390 6424 6437 6450 6463
TAG-NUMBER-REPEATED	1667	6046			6523 6532 6534 6561 6569
TAG-NUMBER-CNTR	0125	5906 5907 5911 5924 5928			6582 6607 6615 6623 6630
TAG-NUMBER-ERROR	1641	5929 6480 6482			6635 6644 6719 6726 6742
TAG-OR-SPE-ZERO-FIELD	1689	5742 5904	UPD-PRT-LINE	0074	6777 6783 6789 6795 6800
TAG-RECAPT-DATE-CONFLICT	1697	6037			6807
TAG-RECAPT-TAG-NUMBR	1420	5913 5929 6041 6488			5052 5054 5056 5058 5060
TAG-RECAPTUPE-RECORD	0612	6618 5166	UPDATE-RPT	0033	5062 6116 6123 6124 6125
TAG-SURSCR	0124	5907 5912 6041 6480 6488			4962 5052 5054 5056 5058
TAG-TYPE	0771	5167			5060 5062 5064 6116 6123
TAG-TYPE	1183	5958 5962 5967			6124 6125 6127
TAG-TYPE-ERROR	1673	5968	VALID-ALPHA-GRID	0920	5269
TAG-TYPE-NIDR-ERR	1583	5633 5640 5647 5654	VALID-CHANGE-CODE	0603	5177 5207
TARGET-AREA	1389	5503 5517	VALID-GEAR-FOR-PGM050	0928	5294
TEST-FIELD	1386	4734 4735 4736 4740 4741	VALID-GEAR-FOR-PGM051	0929	5294
		4742 5471 5475 5501 5502	VALID-GEAR-FOR-PGM055	0931	5294
		5570 5579 5588	VALID-GEAR-FOR-PGM060	0933	5294
TEST-SUM	0127	6775 6776 6787 6788	VALID-GEAR-FOR-PGM100	0934	5294
TR-ADD	0600	5127 5207 5217	VALID-GEAR-FOR-PGM105	0936	5294
TR-CHANGE	0601	5181 5211	VALID-GEAR-FOR-PGM110	0937	5294
TR-CONTROL	0613	5115 5118	VALID-GEAR-FOR-PGM115	0938	5294
TR-DATA	0626	4624 4635 6115	VALID-GEAR-FOR-PGM120	0939	5294
TR-DELETE	0602	5185	VALID-GEAR-FOR-PGM125	0942	5294
TPANS-FILE	0030	4573 4600	VALID-GEAR-FOR-PGM126	0943	5294
TRANS-REC	0060	4600	VALID-GEAR-FOR-PGM130	0944	5294
TUPN-OFF	0108	4563 4699 4966 5085 5101	VALID-GEAR-FOR-PGM150	0945	5294
		5107 5108 5363 5369 5375	VALID-GEAR-FOR-PGM160	0949	5294
		5801 5915 6112 6175 6196	VALID-GEAR-FOR-PGM175	0955	5294
		6258 6307 6335 6370 6484	VALID-GEAR-FOR-PGM300	0956	5294
		6571 6706	VALID-GEAR-FOR-PGM320	0959	5294
TURN-ON	0107	4692 4965 4992 5004 5126	VALID-GEAR-FOR-PGM330	0960	5294
		5133 5134 5135 5188 5206	VALID-GEAR-FOR-PGM360	0962	5294
		5223 5227 5228 5271 5276	VALID-GEAR-FOR-PGM350	0963	5294
		5290 5362 5364 5379 5387	VALID-GEAR-FOR-PGM400	0965	5294
		5397 5404 5411 5473 5442	VALID-GEAR-FOR-PGM410	0969	5294
		5460 5462 5466 5468 5480	VALID-GEAR-FOR-PGM420	0973	5294
		5485 5494 5525 5530 5538	VALID-GEAR-FOR-PGM421-422	0975	5294
		5546 5554 5575 5584 5593	VALID-GEAR-FOR-PGM430-440	0976	5294
		5603 5614 5632 5639 5646	VALID-GEAR-FOR-PGM431-441	0977	5294
		5653 5664 5671 5691 5701	VALID-GEAR-FOR-PGM432-442	0978	5294
		5709 5716 5721 5728 5734	VALID-GEAR-FOR-PGM433-443	0979	5294
		5740 5749 5783 5798 5819	VALID-GEAR-FOR-PGM434-444	0982	5294
		5823 5827 5832 5847 5853	VALID-GEAR-FOR-PGM435-445	0984	5294
		5868 5880 5885 5902 5966	VALID-GEAR-FOR-PGM436-446	0985	5294
		5974 6005 6011 6028 6035	VALID-GEAR-FOR-PGM437-447	0986	5294
		6043 6044 6059 6073 6074	VALID-GEAR-FOR-PGM438	0987	5294
		6077 6078 6134 6145 6220	VALID-GEAR-FOR-PGM450	0989	5294
			VALID-GEAR-FOR-PGM460	0990	5294
			VALID-GEAR-FOR-PGM470	0992	5294

MI100

10.43.12

APR 3, 1984

DATA NAME REFERENCE LIST

DATA NAME	DEFN	DEFN REFERENCES	DATA NAME	DEFN	DEFN REFERENCES
VALID-GEAR-FOR-PGM500	0994	5294	WK-SUB-2	0120	5802 5803 5809 5883 5886
VALID-GEAR-FOR-PGM510	0997	5294	WORK-CNT	0122	5619 5637 5651 5662 5808
VALID-GEAR-FOR-PGM530	1000	5294			
VALID-GEAR-FOR-PGM540	1001	5294	WORK-LOCATION	0121	5371 5380 5382 5432 5450
VALID-GEAR-FOR-PGM550	1002	5294	WRITE-NEWMSR	0141	5077
VALID-GEAR-FOR-PGM610	1003	5294	WRITE-NEWMSR-SM	0140	4966 6078 6196
VALID-GEAR-FOR-PGM615	1004	5294	WRITE-RPT1	0139	5075
VALID-GEAR-FOR-PGM618	1005	5294	WRITE-RPT1-SM	0138	4966 5134 5228 6073 6112
VALID-GEAR-FOR-PGM620	1006	5294	WS-CURR-ENVIR-KEY	0289	6716
VALID-GEAR-FOR-PGM630	1007	5294	WS-CURR-KEY	0286	6707
VALID-GEAR-FOR-PGM650	1008	5294	WS-CURR-REPLIC-KEY	0288	6723
VALID-GEAR-FOR-PGM660	1009	5294	WS-CURR-SPECIES-KEY	0287	6739 6749 6752 6756 6759
VALID-GEAR-FOR-PGM670	1010	5294			
VALID-GEAR-FOR-PGM680	1011	5294	YEAR-DOESNT-MATCH	1528	5277
VALID-GEAR-FOR-PGM690	1012	5294	Z-ENVIR-DATE	1693	6013
VALID-GEAR-FOR-PGM700	1013	5294	Z-RECAPT-DATE	1695	6012
VALID-GEAR-FOR-PGM705	1015	5294	ZERO-DD	1427	6053 6054
VALID-GEAR-FOR-PGM710	1016	5294	ZERO-NH	1426	6051 6052
VALID-GEAR-FOR-PGM715	1017	5294			
VALID-GEAR-FOR-PGM720	1018	5294			
VALID-GEAR-FOR-PGM725	1023	5294			
VALID-GEAR-FOR-PGM730	1024	5294			
VALID-GEAR-FOR-PGM735	1025	5294			
VALID-GEAR-FOR-PGM740	1026	5294			
VALID-GEAR-FOR-PGM745	1027	5294			
VALID-GEAR-FOR-PGM750	1028	5294			
VALID-GEAR-FOR-PGM755	1029	5294			
VALID-GEAR-FOR-PGM760	1030	5294			
VALID-GEAR-FOR-PGM765	1032	5294			
VALID-GEAR-FOR-PGM770	1033	5294			
VALID-GEAR-FOR-PGM775	1034	5294			
VALID-GEAR-OF-7990	0926	5293 5402 5409			
VALID-GEAR-OF-999	0927	5293			
VALID-NUMER-GRID	0918	5269			
WK-E-BOTTOM-PRNF	1370	4723			
WK-E-BOTTOM-TYPE	1369	4721			
WK-E-DEPTH	1371	4725			
WK-E-DURATION	1362	4707			
WK-E-GEAR-PAR #1	1364	4711			
WK-E-GEAR-PAR #2	1365	4713			
WK-E-GEAR-PAR #3	1366	4715			
WK-E-GEAR-TYPE	1363	4709			
WK-F-PIG	1367	4717			
WK-E-STATE-ALTER	1372	4719			
WK-E-TYPE-OF-TOW	1368	4719			
WK-ENVIR-PRFLOND-KEY	1359	4580-4584 4585 4590			
WK-FNVIR-PRFLOND-REC	1358	4579 4586 4704			
WK-SUR	0119	4629 4640 4657 4658 4670			
		4671 4672 4673 5757 5758			
		5761 5762 5775 5776 5778			
		5791 5793 5802 5810 5875			
		5878 5883			

PROCEDURE NAME REFERENCE LIST

APR 3, 1984

10.43.12

NN100

PROCEDURE NAME	DEFN	REFERENCES	PROCEDURE NAME	DEFN	REFERENCES
005-PRE-SORT-PROCESSING	4560	4550	156-FIND-LAST-DIST-TO-ANL	5874	5758
008-READ-N-LOAD-ENVIR-PRELOAD	4578	4567	157-TEST-DISTANCE-INCREASE	5877	5810
009-INIT-REST-ENVTR-PRELOAD	4596	4569	158-EDIT-TAG-RECAPT-REC	5888	5263
012-READ-TRANS	4599	4574	158A-DATE-ROUTINE	5981	5991 5994 6056
013-PRE-FOIT-KEY	4648	4622	158B-COMPARF-DATES	5989	5989
014-RELEASE-DUP-INDIV-REC6	4655	4629	158C-SEARCH-TAG-NUMBER-TABLE	6040	5907
015-RELEASE-DUP-INDIV-RECT	4668	4640	158D-ADJUST-ZERO-DATE	6016	6016
017-ENVIR-PRE-EDIT	4683	4604	160-EQUAL-DELETE-TRANS	6066	5214
018-PRELOAD-ENVIR-DATA	4703	4689	170-MASTER-LOW	6076	5123
019-REPLIC-PRF-EDIT	4729	4607	177-BUILD-TRANS-ERROR	6080	5189 5224
020-SPECIES-PRF-EDIT	4745	4610	179-BUILD-MASTER-ERROR	6094	4698 5274 5278 5292 5368
021-INDIV-PRE-EDIT	4780	4613 4659 4674			5382 5391 5400 5408 5414
022-ANNUBUS-PRE-EDIT	4798	4616			5483 5488 5498 5528 5533
023-RECAPT-PRF-EDIT	4939	4619			5544 5549 5560 5578 5587
024-POST-SORT-PROCESSING	4945	4550			5596 5607 5618 5634 5641
030-HOUSEKEEPING	4957	4946			5648 5655 5666 5673 5693
040-READ-LATIN-TABLE	4974	4972			5703 5711 5718 5723 5730
041-READ-TABLE	4985	4977			5736 5743 5751 5785 5800
042-SORT-LATIN-FILE	5006	4980			5825 5829 5834 5849 5855
043-ARRANGE-START	5010	5008 5032			5872 5905 5969 5977 6009
044-ARRANGE-LOOP	5014	5027			6015 6032 6038 6047 6063
045-ARRANGE-END	5029	5008 5018			6223 6293 6318 6346 6386
046-ADD-HIGH-VALUES	5034	4982			6395 6431 6444 6457 6470
060-END-OF-JOB	5037	4950			6527 6539 6564 6572 6609
100-MAINLINE	5068	4948			6621 6625 6633 6641 6646
110-READ-MSTR	5080	5070	200-WRITE-RPT1-UPD	6111	5076 6092
111-READ-READ	5092	5082	202-WRITE-RPT1-UPD-HEADING	6120	4968 5051 6114
112-DUMMY-HEAD	5099	5084	210-WRITE-RPT2-ERR	6131	6109
120-READ-TRANS	5103	5072	212-WRITE-RPT2-ERR-HEADING	6150	6565 6133
130-MATCH-MSTR-TO-TRANS	5110	5074	220-WRITE-NEW-MSTR-REC	6161	5078
131-MASTER-HIGH	5125	5116	225-EDIT-SPECIES-GROUP	6201	6184
132-HIGH-ADD-TRANS	5132	5129	226-VALID-SPECIES-CODE	6215	6213
133-MOVE-DATA-BY-TYPE	5144	4697 5139 5231	227-UNMATCHED-SPECIES-GROUP	6219	6210
134-HIGH-CMG-OR-DELETE-TRANS	5176	5130	230-SAVE-MASTER-BY-TYPE	6225	6199
135-BUILD-RPT1	5191	5141 5233 6072	240-RELATIONAL-EDITS	6253	6172
137-MASTER-EQUAL	5205	5201	242-TEST-ENVIR-BREAK	6295	6257
138-EQUAL-ADD-TRANS	5216	5209	243-ENVIR-BREAK	6304	6298
139-EQUAL-CHANGE-TRANS	5226	5212	244-TEST-REPLIC-BREAK	6323	6302
140-EDIT-ROUTINE	5236	6176	245-REPLIC-BREAK	6332	6305 6326
141-FOIT-ENVTR-REC	5268	5238	246-TEST-SPECIES-BREAK	6351	6330
142-COUNT-NUMBER-DECIMALS	5416	5395	247-SPECIES-BREAK	6368	6333 6362
143-SEARCH-FDP-STATION	5426	5385	247B-PAD-TAG-NUMBER-TABLE	6487	6480
144-SEARCH-TAB-1-FOR-STATION	5439	5427	248-TEST-INDIV-BREAK	6491	6366
145-FIND-LOCATION-IN-TAB-2	5444	5435	249-INDIV-BREAK	6509	6369 6507
146-SEARCH-TAB-2-FOR-STATION	5457	5445	249-SAVE-AGE-STATUS	6548	6282
148-SEARCH-TAB-3-FOR-STATION	5463	5453	250-SPECIES-CODE-CHECKS	6558	6283
149-FOIT-REPLIC-REC	5470	5243	251-EDIT-INDIV-SC-3	6592	6577
150A-EDIT-EXPLICIT-DECIMAL	5500	5473 5477 5581 5590	252-EDIT-INDIV-2ND-OCCUR	6627	6612
150B-EDIT-EXPLICIT-DECIMAL	5508	5506	256-EDIT-INDIV-SC-6	6643	6587
151-FOIT-SPECIES-REC	5523	5248	258-STRUCTURAL-TEST	6705	6173
153-EDIT-INDIV-REC	5676	5253	259A-VERIFY-INDIV-STRUC	6770	6751
155-FOIT-ANNUBUS-REC	5756	5258	259B-VERIFY-TAG-RECAP-STRUC	6780	6758

PROCEDURE NAME REFERENCE LIST

10.43.12 APR 3, 1984

NM100

PROCEDURE NAME

DEFN REFERENCES

PROCEDURE NAME

DEFN REFERENCES

259C-VERIFY-INDIV-LINE1 6792 6794
 259D-MISSING-INDIV-REC 679A 6765
 259E-VERIFY-TAG-RECAP-LINE1 6804 6761
 260-WRITE-RPT3-STPUC 6811 6768
 262-WRITE-RPT3-STRUC-HEADING 6829 4970 6823

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

UNUSED DATA NAME REFERENCE LIST

APR 3.1984

10-43.12

NM100

DEFN	DATA NAME	DEFN	DATA NAME	DEFN	DATA NAME	DEFN	DATA NAME
00109	ABEND-A	01335	CVT-ABBRV-MONTH	00902	ENVIR-DATE-R	00901	ENVIR-DD
00598	ACTION-CODE	01336	CVT-ABBRV-PERIOD	00901	ENVIR-DD	00905	ENVIR-DD-R
01430	ACTION-MESSAGES	01340	CVT-ABBRV-YEAR	00905	ENVIR-DD-R	01649	ENVIR-DURATION-ERR-R
00729	ANL-AGE-R	01334	CVT-ALPHA-ABBRV	01649	ENVIR-DURATION-ERR-R	00636	ENVIR-GRID
00766	ANL-DIST	01344	CVT-ALPHA-DATE	01610	ENVIR-LOC-NOT-FOUND-R	00900	ENVIR-MM
00765	ANL-DIST-R	01347	CVT-DAY-OF-THE-WEEK	00900	ENVIR-MM	00904	ENVIR-MM-R
01170	ANL-DIST-P	01346	CVT-DAYR	00904	ENVIR-MM-R	01655	ENVIR-NON-ZERO-GEAR-R
00734	ANL-DISTANCES	01290	CVT-JULIAN5	00904	ENVIR-MM-R	00818	ENVIR-STA-DATA
01139	ANL-DISTANCES	01294	CVT-JULIAN5-DAY	01655	ENVIR-NON-ZERO-GEAR-R	00634	ENVIR-START-LOC-R
00731	ANL-LTH-TO-EDGE-R	01291	CVT-JULIAN5-IS-ZERO	00818	ENVIR-STA-DATA	00903	ENVIR-YV-R
00733	ANL-MARGIN-INC-R	01293	CVT-JULIAN5-YEAR	00634	ENVIR-START-LOC-R	01548	ERR-MSG-DIF
01132	ANLULUS-DATA	01296	CVT-JULIAN7	00903	ENVIR-YV-R	01543	ERR-MSG-TAG
01413	APPANGE-BLOCK	01300	CVT-JULIAN7-DAY	01548	ERR-MSG-DIF	01445	ERROR-MESSAGES
01273	CVT-ABBRV-COMMA	01297	CVT-JULIAN7-IS-ZERO	01543	ERR-MSG-TAG	01467	GRID-NOT-FORMATTED-R
01272	CVT-ABBRV-DAY	01299	CVT-JULIAN7-YEAR	01445	ERROR-MESSAGES	00721	INDIV-AGE-R
01271	CVT-ABBRV-DAY-YEAR	01302	CVT-MDY6	00721	INDIV-AGE-R	01524	INDIV-LTH-DISCREP-R
01276	CVT-ABBRV-DAYR	01306	CVT-MDY6-DAY	00704	INDIV-LTH-R	00723	INDIV-SPAWN-MARK-CNT-R
01269	CVT-ABBRV-MONTH	01303	CVT-MDY6-IS-ZERO	01119	INDIV-TAG-NBR-R	01117	INDIV-TAG-NBR-ALPHAN
01270	CVT-ABBRV-PERIOD	01305	CVT-MDY6-MONTH	01099	INDIVIDUAL-DATA	01568	INVALID-GEAR-MSGK
01274	CVT-ABBRV-YEAR	01307	CVT-MDY6-YEAR	00159	INVALID-GEAR	01515	INVALID-REC-FOR-CODE-R
01280	CVT-DAYR	01309	CVT-MDY8	01575	INVALID-STA-MSG-R	01718	INVALID-STA-MSG-R
01228	CVT-JULIAN5-DAY	01314	CVT-MDY8-DAY	01718	INVALID-STA-MSG-R	01730	LAST-LINE-NBR-R
01225	CVT-JULIAN5-IS-ZERO	01310	CVT-MDY8-IS-ZERO	01730	LAST-LINE-NBR-R	01731	LAST-SPECIES-STATUS
01234	CVT-JULIAN7-DAY	01316	CVT-MDY8-MONTH	01724	LAST-TYPE-ANNUUS	01720	LAST-TYPE-FNVIR
01231	CVT-JULIAN7-IS-ZERO	01312	CVT-MDY8-MONTH	01720	LAST-TYPE-FNVIR	01723	LAST-TYPE-INDIV
01233	CVT-JULIAN7-YEAR	01287	CVT-MDY8-YEAR	01723	LAST-TYPE-INDIV	01721	LAST-TYPE-REPLIC
01240	CVT-MDY5-DAY	01288	CVT-SDN	01721	LAST-TYPE-REPLIC	01722	LAST-TYPE-SPECIES
01237	CVT-MDY5-IS-ZERO	01318	CVT-YMD6-DAY	01722	LAST-TYPE-SPECIES	01411	LATIN-NAME
01239	CVT-MDY5-MONTH	01323	CVT-YMD6-IS-ZERO	01411	LATIN-NAME	03477	LOCATION-1
01241	CVT-MDY5-YEAR	01319	CVT-YMD6-MONTH	03477	LOCATION-1	04372	LOCATION-2
01248	CVT-MDY8-DAY	01322	CVT-YMD6-MONTH	04372	LOCATION-2	04542	LCCATION-3
01244	CVT-MDY8-IS-ZERO	01321	CVT-YMD6-YEAR	04542	LCCATION-3	00783	LAST-REC-FDR
01246	CVT-MDY8-MONTH	01325	CVT-YMD8	00783	LAST-REC-FDR	00170	MISSING-DISTANCE
01250	CVT-MDY8-YEAR	01332	CVT-YMD8-DAY	00170	MISSING-DISTANCE	00147	NG-EDIT-ERRORS
01223	CVT-SDN-IS-ZERO	01326	CVT-YMD8-IS-ZERO	00147	NG-EDIT-ERRORS	01617	NGM-NUMERIC-GEAR-R
01257	CVT-YMD8-DAY	01326	CVT-YMD8-MONTH	00209	OCURRENCE-CODE-6	00822	PROGRAM-T99-10-999
01253	CVT-YMD8-IS-ZERO	01328	CVT-YMD8-YEAR	00822	PROGRAM-T99-10-999	01635	RECAPT-DAYS-OUT-ERR-R
01256	CVT-YMD8-MONTH	00817	DATA-BY-RECORD-TYPE	01635	RECAPT-DAYS-OUT-ERR-R	01187	RECAPT-DD
01255	CVT-YMD8-YEAR	01205	DATE-CNVRT-SUBR	01187	RECAPT-DD		
01266	CVT-YMD8-DAY	01628	DATE-RECI-REC9-ERR2				
01260	CVT-YMD8-IS-ZERO	01349	DATECALC-DIFF				
01264	CVT-YMD8-MONTH	01221	DATECALC-SET-A				
01262	CVT-YMD8-YEAR	01286	DATECALC-SET-B				
01384	CONVERT-DECIMAL-AREA	01707	DIST-TRAVELED-ERR-R				
01396	CONVERT-DECIMAL-HOLD-AREA	00143	DUMMY-RD-ON				
01393	COURT-DECIMAL	00302	DUP-INDIV-ENTRY6				
01392	COURT-UNITS	00307	DUP-INDIV-ENTRY7				
01339	CVT-ABBRV-COMMA	00301	DUP-INDIV-REC6-ENTRIES				
01338	CVT-ABBRV-DAY	00306	DUP-INDIV-REC7-ENTRIES				
01337	CVT-ABBRV-DAY-YEAR	00146	EDIT-ERRDR				
01342	CVT-ABBRV-DAYR	00149	EDIT-REJECT-ERROR				
		01407	ENGLISH-NAME				

UNUSED DATA NAME REFERENCE LIST

APR 3, 1984

10.43.12

MM100

DEFN DATA NAME

DEFN DATA NAME

DEFN DATA NAME

DEFN	DATA NAME	DEFN	DATA NAME	DEFN	DATA NAME
01191	RECAPT-DD-R	00619	SPECIES-GROUP		
01196	RECAPT-MH	01597	SPECIES-GROUP-NOT-FOUND-R		
01190	RECAPT-MM-R	01749	STATION-TABLE-1		
01185	RECAPT-VY	03473	STATION-TABLE-1-R		
01189	RECAPT-VY-R	03483	STATION-TABLE-2		
00614	RECORD-KEY	04368	STATION-TABLE-2-R		
00802	RECORD-KEY	04378	STATION-TABLE-3		
00815	RECORD-KEY-ALPHA	04538	STATION-TABLE-3-R		
00816	RECORD-KEY-BETA	01481	SUB-SIZE-EXCEEDED-SAMPLE-R		
00623	RECORD-KEY-R	01499	SUB-WGHT-GT-SAMP-WGHT		
00814	RECORD-KEY-R	01532	SUBSAMPLES-OCNT-MATCH-R		
01064	REPLICATE-DATA	00131	SWITCH-FINDER		
00319	REPORT-LINES	00133	SWITCHES		
00429	REPORT-LINES2	01381	TAB-ENVIR-PRELOAD-DATA		
00504	REPORT-LINES3	01376	TABLE-ENVIR-PRELOAD		
01452	RPS-DONT-MATCH-R	01681	TAG-AND-SPE-CNT-ERROR-R		
00672	RP-COLLECT-SIZE-R	01420	TAG-INDEX		
01066	RP-COLLECT-SIZE-R	01544	TAG-NBR-DISCREP		
00674	RP-SAMPLE-SIZE-R	01546	TAG-NBR-DISCREP-R		
01068	RP-SAMPLE-SIZE-R	01539	TAG-NBR-LESS		
00568	RPT3-DASH	01541	TAG-NBR-LESS-R		
01507	SAMP-WGHT-GT-TOTAL	01181	TAG-NUMBER-ALPHA		
01458	SAMPLE-EXCEEDS-COLLECTION-R	01179	TAG-NUMBER-R		
01490	SAMPLE-SIZE-GT-COLLECT-SIZE	01669	TAG-NUMBER-REPEATED-R		
00271	SAVE-ANRL-KEY	01643	TAG-NUMBR-ERR-R		
00272	SAVE-ANRL-LINE	01691	TAG-OR-SPE-ZERO-FIELD-R		
00274	SAVE-ANRL-SPAWN-MARK	01699	TAG-RECAPT-DATE-CONFLICT-R		
00228	SAVE-ENVIR-DATE	01422	TAG-RECAPT-TAG-NUMBER		
00231	SAVE-ENVIR-DD	01419	TAG-RECAPT-TAGNBR		
00235	SAVE-ENVIR-DD-R	01177	TAG-RECAPTURE-DATA		
00230	SAVE-ENVIR-MM	01675	TAG-TYPE-ERROR-R		
00234	SAVE-ENVIR-MM-R	00706	TEMP-FILLER		
00279	SAVE-ENVIR-VY	00186	TOT-COUNTERS		
00233	SAVE-ENVIR-VY-R	00727	TR-ANNULUS-DATA		
00194	SAVE-ETELDS	00627	TR-ENVIR-STA-DATA		
00263	SAVE-INDV-AGE	00701	TR-INDIVIDUAL-DATA		
00245	SAVE-SPE-SEQ-NBR	00670	TR-REPLICATE-DATA		
00244	SAVE-SPECIES-KEY-R	00678	TR-SPECIES-DATA		
00283	SAVE-TAG-RECAPT-TAGNBR	00769	TR-TAG-RECAPTURE-DATA		
00624	SEQ-NBR-THRU-SPEC-GRP	00588	TRANS-REC-FDR		
01661	SPAWN-CONFLICT-R	01440	UPDATE-ERROR-MESSAGES		
00684	SPE-SAMPLE-CNT-R	01435	UPDATE-MESSAGES		
00687	SPE-SAMPLE-WGT-R	00213	WK-DIF		
01082	SPE-SAMPLF-WGT-R	01361	WK-ENVIR-PRELOAD-DATA		
00690	SPE-SUR-SAMPLE-CNT-R	01425	ZERO-VY		
00693	SPE-SUR-SAMPLE-WGT-R				
01088	SPE-SUR-SAMPLE-WGT-R				
00680	SPE-TOTAL-CNT-R				
00682	SPE-TOTAL-WGT-R				
01077	SPE-TOTAL-WGT-R				
01073	SPECIES-DATA				
01473	SPECIES-DONT-MATCH-R				

NOAA COASTAL SERVICES CENTER LIBRARY



3 6668 14101 8079